



Using Databases - Microsoft Access 2010

Sample exam

open
access

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Preface

Today's society is marked with sudden growth and development of information technology (IT) which resulted in great dependence of society, in a wider sense, on the individual's knowledge and competence in the IT area. Although that dependence is growing on a daily basis, the human right to education and information hasn't reached the IT area. Problems are emerging, affecting the entire society, creating gaps and distancing people from the main reason and motivation for advancement, from opportunity. Today, to be computer illiterate means to be a person that is unable to participate in modern society, a person without opportunity and, in spite of acknowledged necessity and benefits of inclusive computer literacy by, for example, the European Commission, UNESCO and OECD, there are still groups of people with hindered access to basic computer education (people with disabilities or learning difficulties, migrant workers, the unemployed, people that live in remote (rural) areas where IT education is not available).

This handbook, combined with other materials published on the website www.ITdesk.info, represents our effort and contribution to the realization and promotion of the human right to education and information considering the IT area. We hope that this education will help you master basic computer skills and with that aspiration we wish you to learn as much as you can and therefore become an active member of the modern IT society.

Sincerely yours,

ITdesk.info team



1. Within the open database **primjer_ispita_modul_5.accdb** create a new table and name it "Proizvodaci". [1 point]

2. Format the table „Proizvodaci“ so that it has three fields and the following properties:

Ime polja	Tip podataka	Veličina polja ili oblik
ID Proizvođača	AutoNumber	Long Integer
Ime Proizvođača	Text	25
Popust	Number	Percent/Single/0 decimal places

3. Set the field **ID Proizvodaca** as the primary key and save the table **Proizvodaci**. [1 point]

4. Enter the following data into the table: [2 points]

ID Proizvođača	Ime Proizvođača	Popust
1	Intel	9%
2	AMD	5%
3	Gigabyte	12%
4	MSI	0%
5	Zotac	6%
6	WD	16%
7	Hitachi	0%
8	Seagate	0%
9	Toshiba	0%
10	A-Data	0%
11	Apacer	0%
12	LG	10%
13	TakeMS	4%
14	Transcend	4%

5. Save and close the table **Proizvodaci**, and open the table **Kupci**. [1 point]

6. Move the field **Prezime** and place it between the fields **Ime** and **Grad**. [1 point]

7. Set the field **ID Kupca** as the primary key and save and close the table **Kupci**. [1 point]

8. Open the table **Proizvodi**. Change the width in the field **Proizvod**, so that the entire text in the field is visible. For all other fields, adjust field width to **12 pt**. [1 point]



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9. Set the field **ID Proizvoda** as the primary key. [1 point]
-
10. Save and close the table **Proizvodi** and open the table **Prodaje**. Set the field **ID** as the primary key and save and close the table. [1 point]
-
11. By using all the fields from the table **Kupci**, create a query that displays all the customers from Zagreb. Save the query as **Kupci-Zagreb** and close it. [1 point]
-
12. By using all the fields from the table **Proizvodi**, create a query that will show all **WD** products priced above **1000 kn**. Save the query as **WD-high** and close it. [1 point]
-
13. By using **Form Wizard**, create a form by using all the fields from the table **Kupci**. [1 point]
-
14. Enter a new customer in the form: Igor Simic from Split, who made the first purchase today, and his contact number is 021/666-666. Save the form as **Novi kupci** and close it. [1 point]
-
15. Create a form for all fields from the table **Proizvodi**. [1 point]
-
16. Apply conditional formatting to the field **Cijena**. The condition is less or equal to 800 kn. If the condition is met, formatting should be: black fill with yellow font colour. Save the form as **Novi Proizvodi** and close it. [1point]
-
17. Create a report by using the fields **Ime**, **Prezime**, and **Prva kupnja** from the table **Kupci**. Sort the data by the field **Prezime**, alphabetically, from A to Z. [1 point]
-
18. Delete the field from the footer and save the report as **Lista Kupaca**. [1 point]
-
19. Create relationships between the tables **Kupci** and **Prodaje** by using the fields **ID Kupca**; and between the tables **Prodaje** and **Proizvodi** by using the fields **ID Proizvoda**. [1 point]
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20. For the first relationship, use the referential integrity. [1 point]
-
21. From the fields **Ime**, **Prezime** from the table **Kupci**, the field **Proizvod** from the table **Proizvodi**, and the field **Kolicina** from the table **Prodaje** create a query that will show what the customers bought, what is the price and quantity. Save the query as **Prodaja**. [1 point]
-
22. Adjust the above query to display only the purchase of 1000 kn and up. Close the query without saving. [1 point]
-
23. Open the query **Prodaja**. Sort it according to value in the field **Cijena**, in descending order. [1 point]
-
24. Filter the query by value in the field **Kolicina**, the requirement is "equals 1". [1 point]
-
25. Create a form by using the same fields as in the 21st question. Save (any name) and close the form. [1 point]
-
26. Create a report by using the same fields as in the 21st and 25th question. [1 point]
-
27. Insert fields into the report for a total consumption of each customer. Format the field to fill them with black color, and change the font color to yellow. Adjust the width of the field (decrease the fields **Ime** and **Prezime**, increase the field **Proizvod**). Save the report as **Lista Prodaja** and close it. [3 points]
-
28. Print the report **Lista Prodaja**, or, if printer is not available, as print file **lista_prodaja.pdf**. [1 point]
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TOTAL POINTS

32



This sample exam is intended for learning in conjunction with materials published on the following links:

****Notes:***

<http://www.itdesk.info/Microsoft%20Access%202010%20notes.pdf>

****Video presentations for a basic use of Microsoft Access 2010:***

- <http://www.itdesk.info/en/microsoft-access-2010-using-databases-1/> and
- <http://www.itdesk.info/en/microsoft-access-2010-using-databases-2/> .

****Exam solution for this sample exam is published at:***

<http://www.itdesk.info/en/exam-solution-module-5/>

****Quiz for self-evaluation is published at:***

<http://www.itdesk.info/en/databases-quiz/>

(to open the link contained within a PDF document, just press the left mouse button on one of the above links. The web page that a link points to will open in a browser that you have installed on your computer.)



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