

CODE / COURSE	DFN40323-PROGRAMMING ESSENTIALS IN PYTHON	ASSESSMENT	PRACTICAL TEST
PROGRAM / CLASS	DDT4A	DURATION	2 HOURS
STUDENT'S NAME	MUHAMMAD AFIQ MUHAJMIN BIN MOHD ZAINI	CLO	1P
REG. NO.	32DDT20F2029	TOTAL MARKS	/100
LECTURER'S NAME	PN. SHARIZAN BINTI ABDUL JAMIL		

**ANSWER SHEET FOR FINAL ASSESSMENT
(PRACTICAL TEST)
(100 MARKS)
SESSION I 2022/2023**

INSTRUCTIONS:

- 1) Answer **ALL** questions.
- 2) **Save** all the answers **in a folder** (.py files **AND** Answer Sheet file) using the following format:

<name>_<registration no>. Example: SHARIZAN_32DDT20F1002
- 3) Compress folder into **.zip file format**.
- 4) **Upload** the file in **link provided in DFN40323 PROGRAMMING ESSENTIALS IN PYTHON on CIDOS platform**.

ANSWER QUESTION 1: (50 marks)

JAWAPAN SOALAN 1: (50 markah)

SOURCE CODE:

KOD ATURCARA:

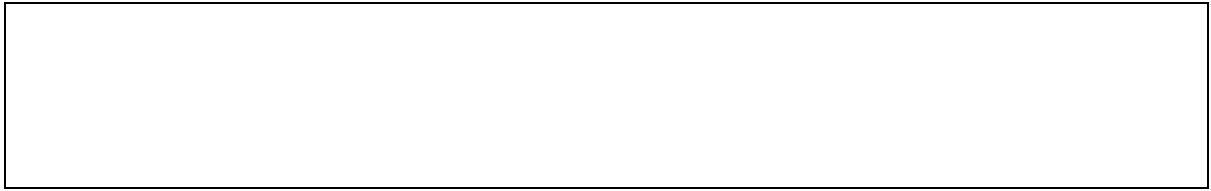
***snip and paste your source code here. (Make sure it is snipped from your text editor/ Python platform). Refer Appendix 1 for an example.**

****potong dan tampal kod aturcara anda di sini. (Pastikan diambil terus daripada 'text editor'/platform Python yang digunakan). Rujuk Lampiran 1 untuk contoh.***

```

print("Welcome to Ticket Admission into Zoo Negara Malaysia")
print("=====")
print("Please Select your citizenship:")
print("1 for Malaysian")
print("2 for Foreigner that have i-KAD/Working Permit/Dependant Pass")
print("3 for Foreigner (Others)")
name=input("Enter Name: ")
try:
    age=int(input("Enter Your Age: "))
    if type==1:
        if age < 36:
            human=print("infant")
            price=0
        elif (age <=3) and (age<=12):
            human=print("Children")
            price=18
        elif (age <=13) and (age<=59):
            human=print("Adult")
            price=45
        elif age > 60:
            human=print("Senior Citizen")
            price=23
    if type==2:
        if age < 36:
            human=print("Infant")
            price=0
        elif (age <=3) and (age<=12):
            human=print("Children")
            price=25
        elif (age <=13) and (age<=59):
            human=print("Adult")
            price=50
        elif age > 60:
            human=print("Senior Citizen")
            price=50
    if type==3:
        if age < 36:
            human=print("Infant")
            price=0
        elif (age <=3) and (age <=12):
            human=print("Children")
            price=43
        elif (age <=13) and (age <=59):
            human=print("Adult")
            price=88
        elif age <= 60:
            human=print("Senior Citizen")
            price=88
    quantity=int(input("Enter the quantity of the ticket that you want: "))
except:
    print("You entered string, please enter only numeric character")
else:
    print("Ticket Category: ")
    totalprice=price*quantity
    print("Total Price: ")

```



OUTPUT:**KELUARAN:**

***snip and paste your output here. (Make sure it is from your command prompt/ Python platform). Refer Appendix 1 for an example.**

****potong dan tampal keluaran anda di sini. (Pastikan diambil terus daripada 'command prompt'/platform Python yang digunakan). Rujuk Lampiran 1 untuk contoh.***

```
Welcome to Ticket Admission into Zoo Negara Malaysia
=====
Please Select your citizenship:
1 for Malaysian
2 for Foreigner that have i-KAD/Working Permit/Dependant Pass
3 for Foreigner (Others)
Enter Name: afiq
Enter Your Age: 18
```

ANSWER QUESTION 2: (50 marks)**JAWAPAN SOALAN 2: (50 markah)****SOURCE CODE:****KOD ATURCARA:**

***snip and paste your source code here. (Make sure it is snipped from your text editor/ Python platform). Refer Appendix 1 for an example.**

****potong dan tampal kod aturcara anda di sini. (Pastikan diambil terus daripada 'text editor'/platform Python yang digunakan). Rujuk Lampiran 1 untuk contoh.***

Check Connection

```
import mysql.connector
lms=mysql.connector.connect(host="localhost",user="root",password="")
print(lms)
```

Create Database

```
import mysql.connector
lms=mysql.connector.connect(host="localhost",user="root",password="")

executor=lms.cursor()

executor.execute("create database LibraryManagementSystem")
```

Create table

```
import mysql.connector
lms=mysql.connector.connect(host="localhost",user="root",password="",database="LibraryManagementSystem")

executor=lms.cursor()

tblStudent="""create table tblStudent(
    StudID varchar(10) not null,
    StudentName varchar(100),
    Intake varchar (20),
    StudentPassword varchar(20),
    primary key (StudID)
)"""
executor.execute(tblStudent)
```

Insert Data

```
import mysql.connector
lms=mysql.connector.connect(host="localhost",user="root",password="",database="LibraryManagementSystem")

executor=lms.cursor()

comm=("insert into tblStudent (StudID,StudentName,Intake,StudentPassword)
values (%s,%s,%s,%s)")

val=[("DDT19F1001","FARISHA SHUHADA BINTI AZIM","Dis2019","Extreme@m331"),(
    DDV20F1001","IRFAN HAKIM BIN MOHD","June2020","Generate@2022")]

executor.executemany(comm,val)
lms.commit()
print(executor.rowcount(), "record inserted")
```

Update data

```
1  import mysql.connector
2  lms=mysql.connector.connect(host="localhost",user="root",password="",database="LibraryManagementSystem")
3
4  executor=lms.cursor()
5
6  comm="update tblStudent set StudentPassword='Generate22@anonyms' where
    StudID='DDV20F1001'"
7
8  executor.execute(comm)
9  lms.commit()
10
```

Display Data

```
import mysql.connector
lms=mysql.connector.connect(host="localhost",user="root",password="",database="
    LibraryManagementSystem")

executor=lms.cursor()

comm="select * from tblStudent"

executor.execute(comm)
output = executor.fetchall()

for f in output:
    print(f)
```

OUTPUT:

KELUARAN:

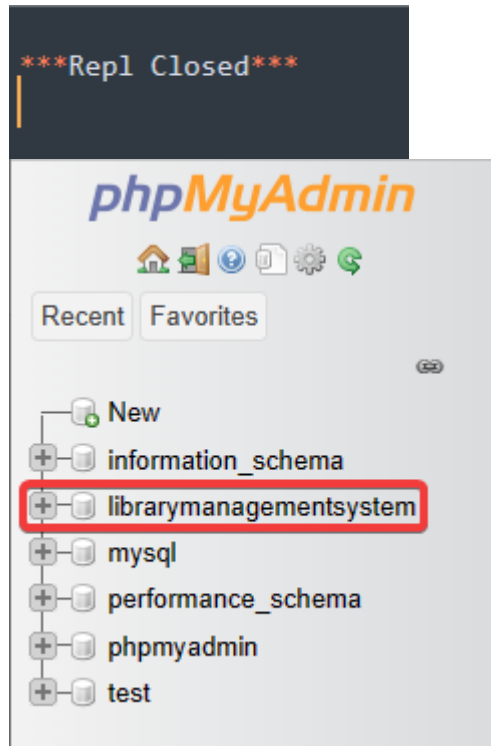
***snip and paste your output here. (Make sure it is from your command prompt/ Python platform). Refer Appendix 1 for an example.**

***potong dan tampal keluaran anda di sini. (Pastikan diambil terus daripada 'command prompt'/platform Python yang digunakan). Rujuk Lampiran 1 untuk contoh.**

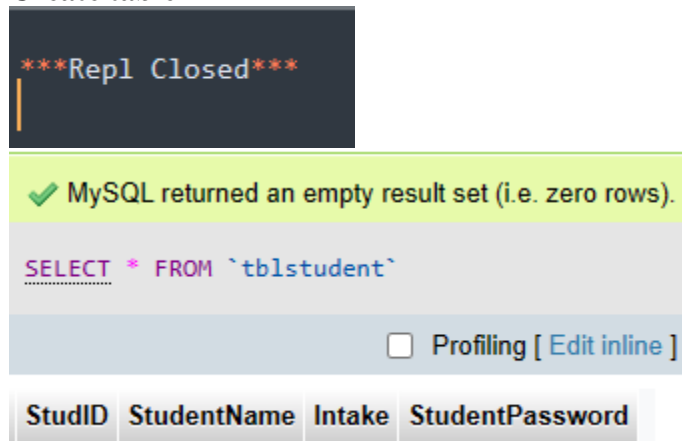
Create Connection

```
<mysql.connector.connection.MySQLConnection object at 0x00000220DC493590>
```

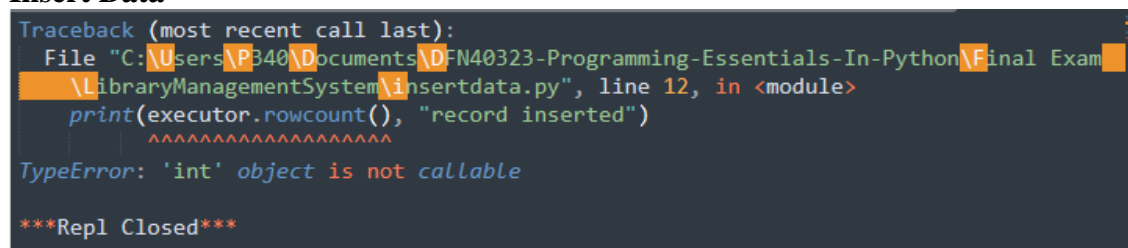
Create Database



Create table



Insert Data









←T→	StudID	StudentName	Intake	StudentPassword
<input type="checkbox"/> Edit Copy Delete	DDT19F1001	FARISHA SHUHADA BINTI AZIM	Dis2019	Extreme@m331
<input type="checkbox"/> Edit Copy Delete	DDV20F1001	IRFAN HAKIM BIN MOHD	June2020	Generate@2022







Update Data

```
***Repl Closed***
```

Before Update

				StudID	StudentName	Intake	StudentPassword
<input type="checkbox"/>		Edit		Copy		Delete	DDT19F1001
					FARISHA SHUHADA BINTI AZIM	Dis2019	Extreme@m331
<input type="checkbox"/>		Edit		Copy		Delete	DDV20F1001
					IRFAN HAKIM BIN MOHD	June2020	Generate@2022

After Update

					StudID	StudentName	Intake	StudentPassword
<input type="checkbox"/>		Edit		Copy		Delete	DDT19F1001	
						FARISHA SHUHADA BINTI AZIM	Dis2019	Extreme@m331
<input type="checkbox"/>		Edit		Copy		Delete	DDV20F1001	
						IRFAN HAKIM BIN MOHD	June2020	Generate22@anonyms

Display data

```
('DDT19F1001', 'FARISHA SHUHADA BINTI AZIM', 'Dis2019', 'Extreme@m331')
('DDV20F1001', 'IRFAN HAKIM BIN MOHD', 'June2020', 'Generate22@anonyms')

***Repl Closed***
```

Appendix 1

Example of source code:

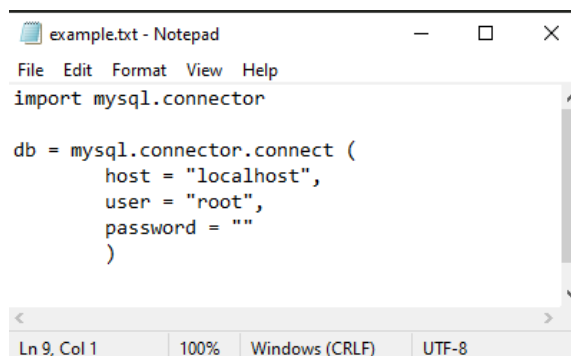
- i) If you use Python platform to write the source code



```
C:\Users\User\Desktop\example.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

Python_Run.sublime-build x example.py
1 import mysql.connector
2
3 db = mysql.connector.connect (
4     host = "localhost",
5     user = "root",
6     password = ""
7 )
```

- ii) If you use text editor to write the source code

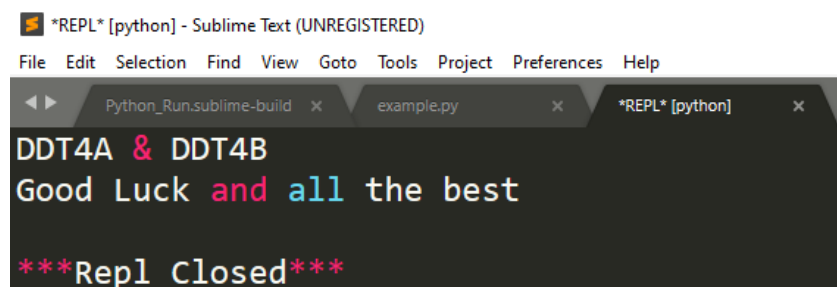


```
example.txt - Notepad
File Edit Format View Help
import mysql.connector

db = mysql.connector.connect (
    host = "localhost",
    user = "root",
    password = ""
)
```

Example of output:

- i) If you use Python platform (e.g Sublime to compile and execute)

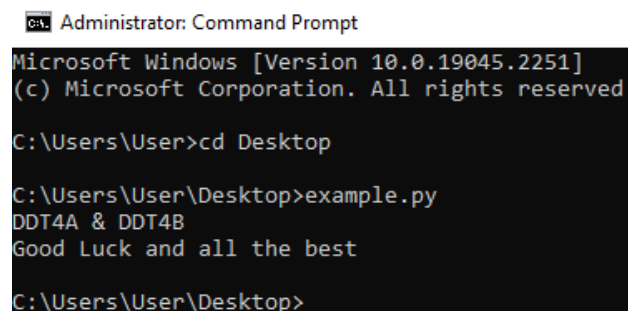


```
*REPL* [python] - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

Python_Run.sublime-build x example.py x *REPL* [python] x
DDT4A & DDT4B
Good Luck and all the best

***Repl Closed***
```

- ii) If you use Command Prompt to compile and execute



```
C:\> Administrator: Command Prompt

Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>cd Desktop

C:\Users\User\Desktop>example.py
DDT4A & DDT4B
Good Luck and all the best

C:\Users\User\Desktop>
```