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NeoColab_REC_CS23221_Python Programming

REC_Python_Week 6_MCQ

Attempt : 1
Total Mark : 20
Marks Obtained : 20

Section 1 : MCQ

1.   Which of the following is true about

fp.seek(10,1)

Answer

Move file pointer ten characters ahead from the current position

Status : Correct   *Marks : 1/1*

2.   How do you create a user-defined exception in Python?

Answer

By creating a new class that inherits from the Exception class

Status : Correct   *Marks : 1/1*

3. Fill in the code in order to get the following output:

Output:

Name of the file: ex.txt

```
fo = open(_____(1), "wb")
print("Name of the file: ",_____)(2)
```

Answer

1) "ex.txt"2) fo.name

Status : Correct   *Marks : 1/1*

4. What will be the output of the following Python code?

```
# Predefined lines to simulate the file content
lines = [
    "This is 1st line",
    "This is 2nd line",
    "This is 3rd line",
    "This is 4th line",
    "This is 5th line"
]

print("Name of the file: foo.txt")

# Print the first 5 lines from the predefined list
for index in range(5):
    line = lines[index]
    print("Line No %d - %s" % (index + 1, line.strip()))
```

Answer

Displays Output

Status : Correct   *Marks : 1/1*

5. What is the output of the following code?

```
class MyError(Exception):
    pass

try:
    raise MyError("Something went wrong")
except MyError as e:
    print(e)
```

Answer

Something went wrong

Status : Correct   *Marks : 1/1*

6. What happens if no arguments are passed to the seek function?

Answer

file position remains unchanged

Status : Correct   *Marks : 1/1*

7. What is the difference between r+ and w+ modes?

Answer

in r+ the pointer is initially placed at the beginning of the file and the pointer is at the end for w+

Status : Correct   *Marks : 1/1*

8. Fill in the blanks in the following code of writing data in binary files.

```
import _____ (1)
rec=[]
while True:
    rn=int(input("Enter"))
    nm=input("Enter")
    temp=[rn, nm]
    rec.append(temp)
```

```
ch=input("Enter choice (y/N)")
if ch.upper=="N":
    break
f.open("stud.dat","_____")(2)
_____.dump(rec,f)(3)
_____.close()(4)
```

Answer

(pickle,wb,pickle,f)

Status : Correct

Marks : 1/1

9. What is the purpose of the except clause in Python?

Answer

 To handle exceptions during code execution

Status : Correct

Marks : 1/1

10. What is the output of the following code?

```
try:
    x = "hello" + 5
except TypeError:
    print("Type Error occurred")
finally:
    print("This will always execute")
```

Answer

Type Error occurredThis will always execute

Status : Correct

Marks : 1/1

11. What is the output of the following code?

```
try:
    x = 1 / 0
```

```
except ZeroDivisionError:
    print("Caught division by zero error")
finally:
    print("Executed")
```

Answer

Caught division by zero errorExecuted

Status : Correct   *Marks : 1/1*

12. Match the following:

a) f.seek(5,1) i) Move file pointer five characters behind from the current position

b) f.seek(-5,1) ii) Move file pointer to the end of a file

c) f.seek(0,2) iii) Move file pointer five characters ahead from the current position

d) f.seek(0) iv) Move file pointer to the beginning of a file

Answer

a-iii, b-i, c-ii, d-iv

Status : Correct   *Marks : 1/1*

13. Which clause is used to clean up resources, such as closing files in Python?

Answer

finally

Status : Correct   *Marks : 1/1*

14. What happens if an exception is not caught in the except clause?

Answer

The program will display a traceback error and stop execution

15.   Which of the following is true about the finally block in Python?

Answer

The finally block is always executed, regardless of whether an exception occurs or not

Status : Correct   *Marks : 1/1*

16.   How do you rename a file?

Answer

os.rename(existing_name, new_name)

Status : Correct   *Marks : 1/1*

17.   What will be the output of the following Python code?

```
f = None
for i in range (5):
    with open("data.txt", "w") as f:
    if i > 2:
        break
print(f.closed)
```

Answer

True

Status : Correct   *Marks : 1/1*

18.   What is the default value of reference_point in the following code?

file_object.seek(offset [,reference_point])

Answer

0

Status : Correct   *Marks : 1/1*

19. What is the correct way to raise an exception in Python?

Answer

raise Exception()

Status : Correct   *Marks : 1/1*

20. Fill the code to in order to read file from the current position.

Assuming exp.txt file has following 3 lines, consider current file position is beginning of 2nd line

Meri,25

John,21

Raj,20

Ouptput:

['John,21\n';'Raj,20\n']

```
f = open("exp.txt", "w+")
_____(1)
print _____(2)
```

Answer

1) f.seek(0, 1)2) f.readlines()

Status : Correct   *Marks : 1/1*