1. What do we use to define a block of code in Python language?

A. Key
B. Brackets
C. Indentation
D. None of these

2. Which of the following statements is correct regarding the object-oriented programming concept in Python?

A. Classes are real-world entities while objects are not real
B. Objects are real-world entities while classes are not real
C. Both objects and classes are real-world entities
D. All of the above

3. Why does the name of local variables start with an underscore discouraged?

A. To identify the variable
B. It confuses the interpreter
C. It indicates a private variable of a class
D. None of these

4. Which of the following declarations is incorrect in python language?

A. xyzp = 5,000,000
B. x y z p = 5000 6000 7000 8000
C. x,y,z,p = 5000, 6000, 7000, 8000
D. x_y_z_p = 5,000,000

5. Study the following program:

```
x = 1
while True:
if x % 5 = = 0:
break
print(x)
x + = 1
```

What will be the output of this code?

A. error
B. 2 1
C. 0 3 1
D. None of these

6. Study the following program:

```
class Std_Name:
def_init_(self, Std_firstName, Std_Phn, Std_lastName):
self.Std_firstName = Std_firstName
self. Std_PhnStd_Phn = Std_Phn
self. Std_lastNameStd_lastName = Std_lastName
```

```
Std_firstName = "Wick"
name = Std_Name(Std_firstName, 'F', "Bob")
Std_firstName = "Ann"
name.lastName = "Nick"
print(name.Std_firstName, name.Std_lastName)
```

What will be the output of this statement?

A. Ann Bob
B. Ann Nick
C. Wick Bob
D. Wick Nick

7.Study the following program:

```
i = 0
while i < 5:
print(i)
i += 1
if i == 3:
break
else:
print(0)
```

What will be the output of this statement?

A. 1 2 3
B. 0 1 2 3
C. 0 1 2
D. 3 2 1

8. Study the following program:

```
x = 'pqrs'
for i in range(len(x)):
x[i].upper()
print (x)
```

Which of the following is the correct output of this program?

A. PQRS

B. pqrs
C. qrs
D. None of these

9.Which of the following option is not a core data type in the python language?

A. Dictionary
B. Lists
C. Class
D. All of the above

10. What is the output of the following program :

```
y =8
z =lambdax : x *y
print(z(6))
```

A. 48
B. 16
C. 64
D. None of the above

11. time.time() returns _____

A. the current time
B. the current time in milliseconds
C. the current time in milliseconds since midnight
D. the current time in milliseconds since midnight, January 1, 1970
E. the current time in milliseconds since midnight, January 1, 1970 GMT (the Unix time)

12. How can we check whether the object is instance of class or not. Let us consider an object O which is instance of class B.

A - B.isinstance(O)
B - O.isinstance(B)
C - isinstance(O,B)
D - isinstance(B,O)

13. What is the output of the code shown below?

```
def f(x):
yield x+1
```

```
print("test")
yield x+2
g=f(9)
```

A. Error
B. test
C. test1012
D. No output

14. What is the output of the following piece of code?

```
class A():
def disp(self):
print("A disp()")
class B(A):
pass
obj = B()
obj.disp()
```

A. Invalid syntax for inheritance
B. Error because when object is created, argument must be passed
C. Nothing is printed
D. A disp()

14. What is the output of the following piece of code?

```
class Demo:
def init (self):
self.x = 1
def change(self):
self.x = 10
class Demo_derived(Demo):
def change(self):
self.x=self.x+1
return self.x
def main():
obj = Demo_derived()
print(obj.change())

main()
```

A. 11
B. 2
C. 1
D. An exception is thrown

15. What is the output of the code shown below?

```
import math
[str(round(math.pi)) for i in range (1, 6)]
```

A. ['3', '3', '3', '3', '3', '3']
B. ['3.1', '3.14', '3.142', '3.1416', '3.14159', '3.141582']
C. ['3', '3', '3', '3', '3']
D. ['3.1', '3.14', '3.142', '3.1416', '3.14159']

16. What is the output of the following?

```
print([i.lower() for i in "HELLO"])
```

A. ['h', 'e', 'l', 'l', 'o'].
B. 'hello'
C. ['hello'].
D. hello

17.What is the output of the following piece of code?

```
a={1:"A",2:"B",3:"C"}
print(a.get(1,4))
```

A. 1
B. A
C. 4
D. Invalid syntax for get method

18. What is the output of the following code?

```
a={}
a[2]=1
a[1]=[2,3,4]
print(a[1][1])
```

A. [2,3,4].

B. 3
C. 2
D. An exception is thrown

19. What is the output of the below program?

```
x = 50
def func():
global x
print('x is', x)
x = 2
print('Changed global x to', x)
func()
print('Value of x is', x)
```

A. x is 50Changed global x to 2Value of x is 50
B. x is 50Changed global x to 2Value of x is 2
C. x is 50Changed global x to 50Value of x is 50
D. None of the mentioned

20. What is the output of below program?

```
def f(x, y, z): return x + y + z
f(2, 30, 400)
```

A. 432
B. 24000
C. 430
D. No output

21. What is the output of the following piece of code?

```
def a(b):
b = b + [5]
c = [1, 2, 3, 4]
a(c)
print(len(c))
```

A. 4
B. 5
C. 1
D. An exception is thrown

22. What is the output of the following piece of code when executed in the python shell?

```
a={1,2,3}
a.intersection_update({2,3,4,5})
a
```

A. {2,3}
B. Error, duplicate item present in list
C. Error, no method called intersection_update for set data type
D. {1,4,5}

23. Which of the following lines of code will result in an error?
A. s={abs}
B. s={4, 'abc', (1,2)}
C. s={2, 2.2, 3, 'xyz'}
D. s={san}

24. What is the output of the following piece of code when executed in Python shell?

```
a=("Check")*3
a
```

A. ('Check','Check','Check')
B. * Operator not valid for tuples
C. ('CheckCheckCheck')
D. Syntax error

25. What is the output of the

```
x = "abcdef"
i = "a"
while i in x:
x = x[:-1]
print(i, end = " ")
```

A. i i i i i i
B. a a a a a a
C. a a a a a
D. none of the mentioned

26.What is the output of the code shown below?

```
'The {} side {1} {2}'.format('bright', 'of', 'life')
```

A. Error
B. 'The bright side of life'
C. 'The {bright} side {of} {life}'
D. No output

27. What is the result of the expression shown below if x=56.236?

```
print("%.2f"%x)
```

A. 56.00
B. 56.24
C. 56.23
D. 0056.236

28. The output of the code shown below is:

```
s='{0}, {1}, and {2}'
s.format('hello', 'good', 'morning')
```

A. 'hello good and morning'
B. 'hello, good, morning'
C. 'hello, good, and morning'
D. Error

29. What is the output of the following program?

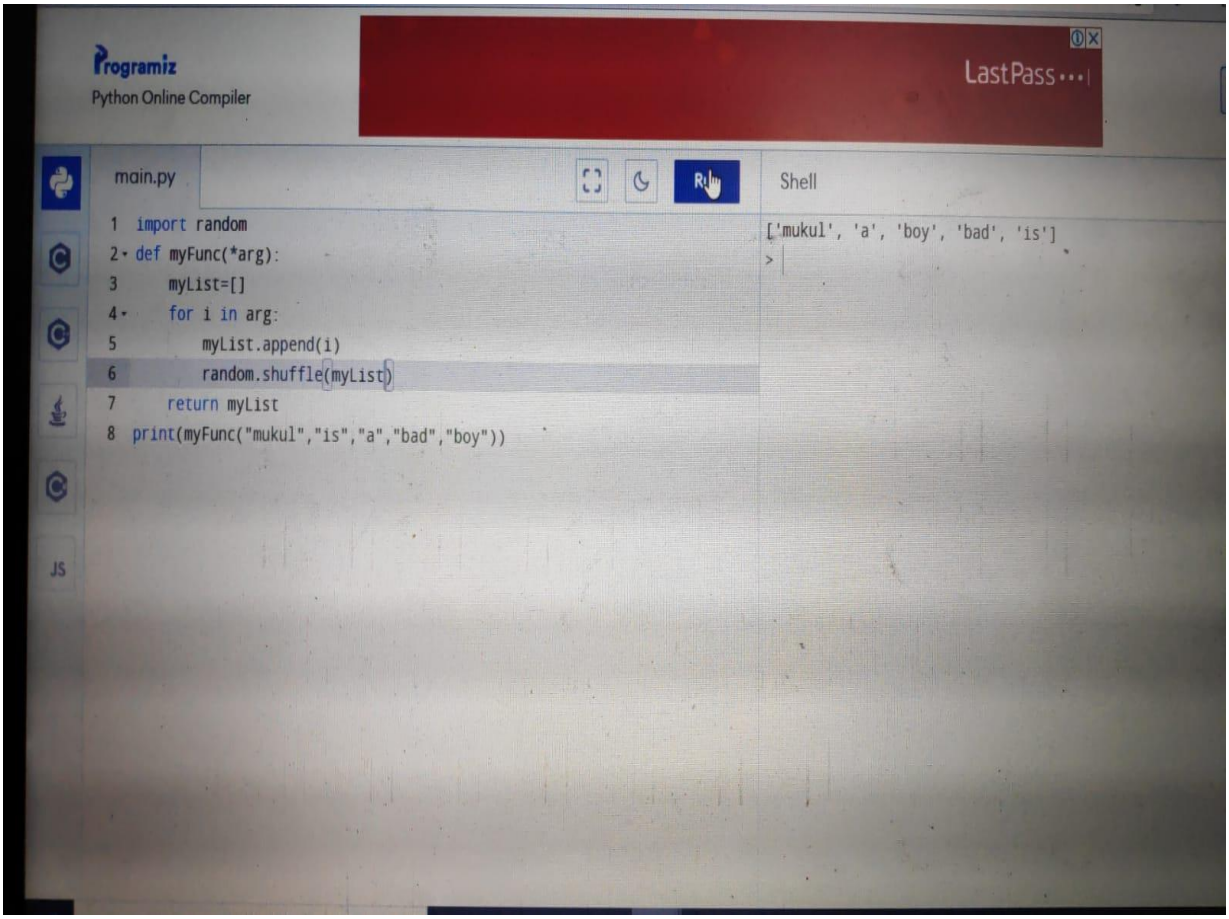
```
z = lambda x : x * x
print(z(6))
```

A.6
B. 36
C. 0
D. error

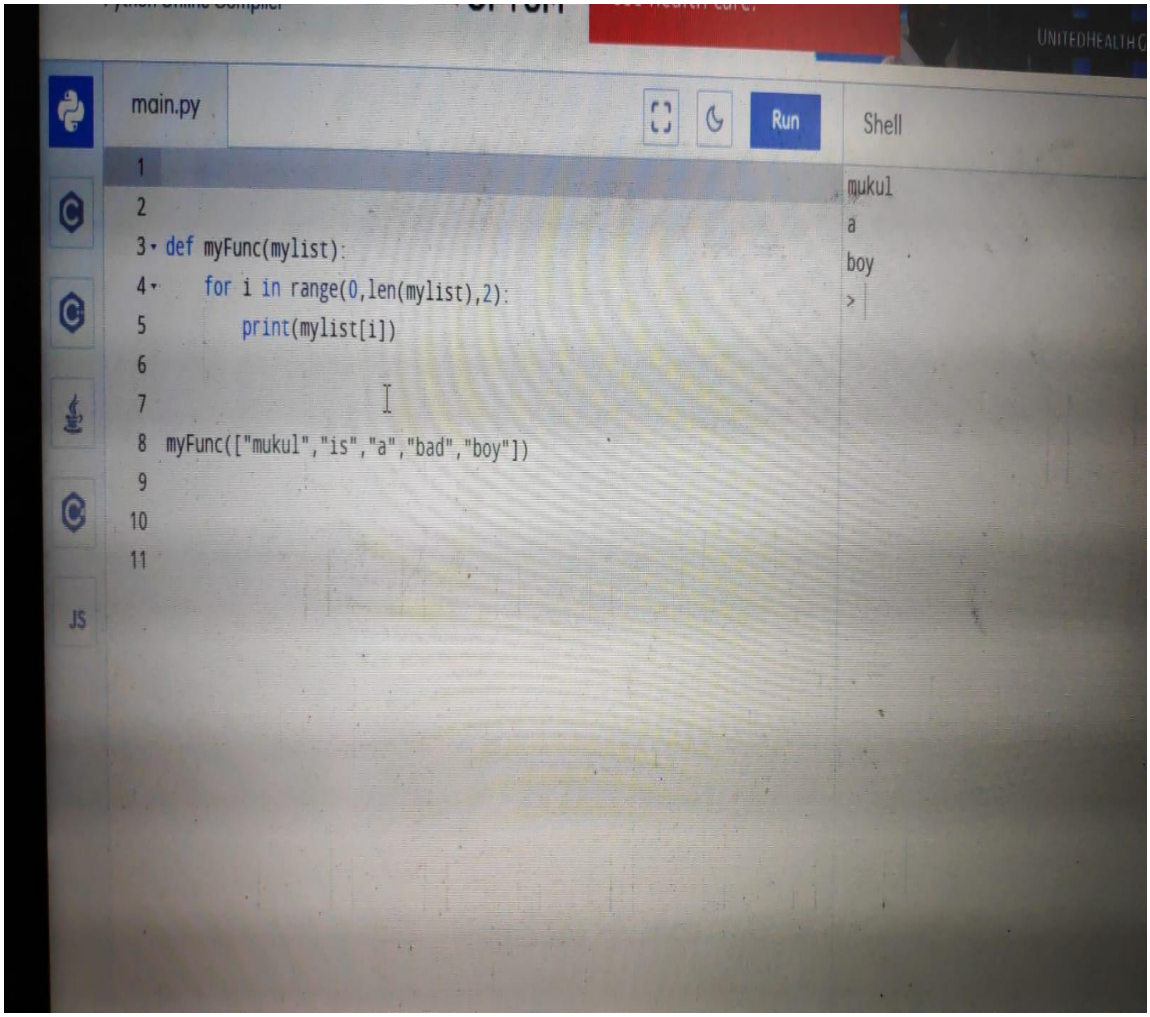
30. What is a variable defined outside a function referred to as?

A. local variable
B. global variable
C. static Variable
D. automatic variable

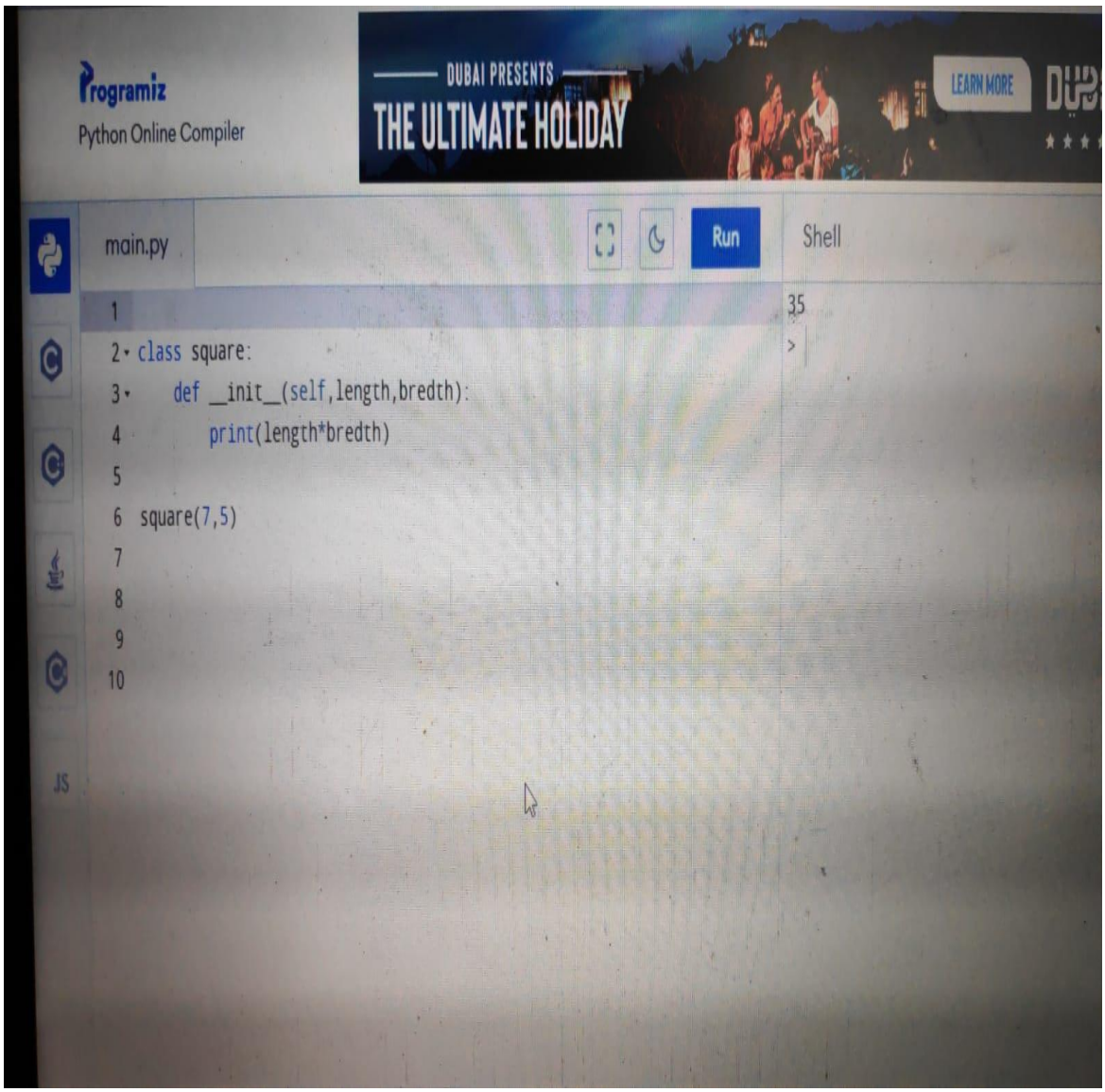
1) program to take multiple phrases as input and build another list with positions interchanged



2) Write a program to print the elements of an list present on odd position



3) Write a Python class named square constructed by a length and width and a method which will compute the area of square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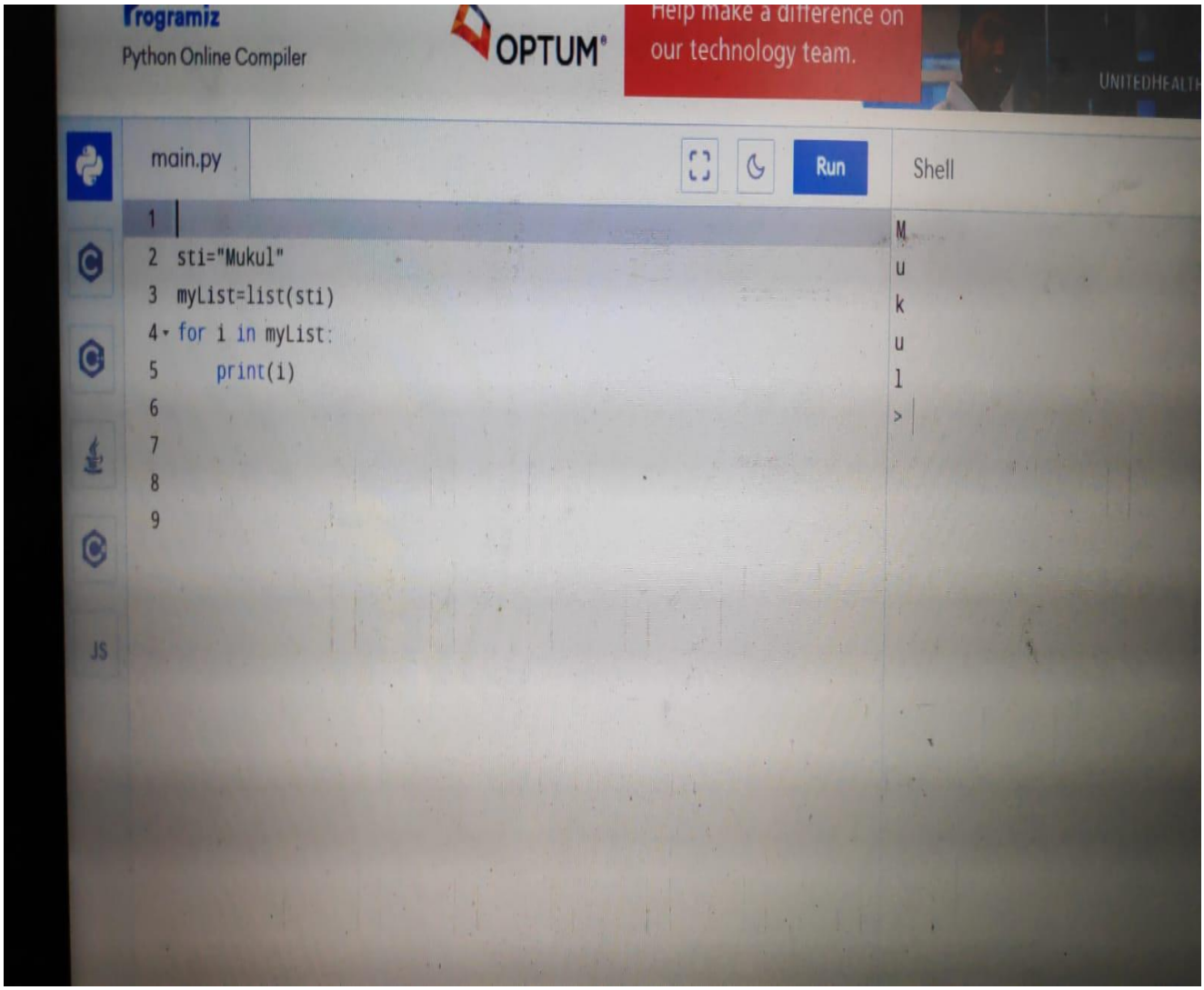
main.py
Run
Shell
1
2 class square:
3 def __init__(self,length,bredth):
4 print(length*bredth)
5
6 square(7,5)
7
8
9
10
35
>

4) program to slice the string and print each sliced substring on new line



5) **Write a program to accept string/sentences from the user till the user enters "END". Save the data in a text file and then display only those sentences which begin with an uppercase alphabet.**

6) **Write a function called show_stars(rows). If rows is 5, it should print the following:**

```
*
**
***
****
*****
****
***
**
```