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State Finished

Completed on Friday, 16 September 2022, 11:35 AM

Time taken 20 mins 26 secs

Grade **10.00** out of 10.00 (**100%**)

Question 1

Correct

Mark 2.00 out of 2.00

Write a lambda function which takes z as a parameter and returns z*56 using python

For example:

Input	Result
5	280

Answer: (penalty regime: 0 %)

```
1 a=lambda z:z*56
2 z=int(input())
3 print(a(z))
```

	Input	Expected	Got	
✓	5	280	280	✓
✓	6	336	336	✓

Passed all tests! ✓

Question author's solution (Python3):

```
1 i=int(input())
2
3 f=lambda z: z*56
4
5 print(f(i))
```

Correct

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

Write a program in Python to calculate the value of the following expression by using lambda function.

The expression is -

$(x + 10) + (y + 2) * z$

For example:

Input	Result
4 3 2	24

Answer: (penalty regime: 0 %)

```
1 a=lambda x,y,z:(x+10)+(y+2)*z
2 x=int(input())
3 y=int(input())
4 z=int(input())
5 print(a(x,y,z))
6
```

	Input	Expected	Got	
✓	4 3 2	24	24	✓
✓	20 3 10	80	80	✓

Passed all tests! ✓

Question author's solution (Python3):

```
1 x = int(input())
2 y = int(input())
3 z = int(input())
4
```

```
5 | expr = lambda x, y, z: (x + 10) + (y + 2) * z
6 | print(expr(x, y, z))
```

Correct

Marks for this submission: 2.00/2.00.



Question **3**

Correct

Mark 2.00 out of 2.00

Write a function which takes two arguments: a and b and returns the multiplication of them: a*b. Assign it to a variable named: f. using python

For example:

Input	Result
5 10	50

Answer: (penalty regime: 0 %)

```

1 a=lambda x,y:x*y
2 x=int(input())
3 y=int(input())
4 print(a(x,y))

```

	Input	Expected	Got	
✓	5 10	50	50	✓
✓	11 10	110	110	✓

Passed all tests! ✓

Question author's solution (Python3):

```

1 i=int(input())
2 j=int(input())
3
4 f = lambda a, b: a*b
5
6 print(f(i, j))

```

Correct

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Write a python program to check whether given number is even number is odd.

For example:

Input	Result
12	12 is even

Answer: (penalty regime: 0 %)

```

1 a=lambda a:f"{x} is even" if x%2==0 else f"{x} is odd"
2 x=int(input())
3 print(a(x))

```

	Input	Expected	Got	
✓	12	12 is even	12 is even	✓
✓	25	25 is odd	25 is odd	✓

Passed all tests! ✓

Question author's solution (Python3):

```

1 result = lambda x : f"{x} is even" if x %2==0 else f"{x} is odd"
2 a=int(input())
3
4 print(result(a))
5

```

Correct

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

Write a python program to check whether the number '24' is greater or equal or lesser than the number '45' or not

For example:

Input	Result
24 45	24 is smaller than 45

Answer: (penalty regime: 0 %)

```

1 x=lambda a,b:f"{a} is smaller than {b}" if (a<b) else f" is smaller than {a}"
2 a=int(input())
3 b=int(input())
4 print(x(a,b))

```

	Input	Expected	Got	
✓	24 45	24 is smaller than 45	24 is smaller than 45	✓
✓	89 100	89 is smaller than 100	89 is smaller than 100	✓

Passed all tests! ✓

Question author's solution (Python3):

```

1 result = lambda x,y : f"{x} is smaller than {y}" if x < y else (f"{x} is greater than {y}" if x > y
2 a=int(input())
3 b=int(input())
4
5 # print for numbers
6 print(result(a, b))

```

Correct

Marks for this submission: 2.00/2.00.