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Question 1:

Guess the output of this program:

1. lst = [6, 9, -2, -5, 0, 10, 30, 1]
3. lst = ["Even" if i%2==0 else "Odd" for i in lst]
5. print(lst)

['Odd', 'Odd', 'Even', 'Odd', 'Even', 'Even', 'Even', 'Odd']

['Even', 'Odd', 'Even', 'Odd', 'Even', 'Even', 'Odd', 'Odd']

['Even', 'Odd', 'Even', 'Odd', 'Even', 'Even', 'Even', 'Odd']

Error

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Question 2:

Guess the output of this program:

1. lst = [idx\*char for idx, char in enumerate('Hey')]
2. print(lst)

Error

['', 'e', 'yy']

['H', 'e', 'yy']

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Question 3:

Guess the output of this program:

1. lst = [x \*\* 2 for x in range(10) if x % 2 == 0]
2. print(lst)

[0, 4, 16, 36, 64]

[1, 9, 25, 49, 81]

Error

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Question 4:

Guess the output of this program:

1. lst = [1, 2, 3, 4, 5, 6]
3. def is\_even(i):
4. return i % 2 == 0
6. def n3\_1(i):
7. return 3 \* i + 1
9. def divi(i):
10. return i // 2
12. lst5 = [divi(n) if is\_even(n) else n3\_1(n) for n in lst]
13. print(lst5)

[0, 7, 1, 13, 2, 19]

[4, 1, 10, 2, 16, 3]

Error

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Question 5:

Every for loop can be written as list comprehension?

True

False

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Question 6:

Guess the output of this program

1. number = 1
2. lst = []
3. for number in [5, 6, 7]:
4. lst.append(number \* number)
5. print(number)

1

7

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Question 7:

Guess the output of this code

1. number = 1
2. lst = [number \* number for number in [5, 6, 7]]
3. print(number)

1

7

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Question 8:

List comprehensions are for creating lists

True

False

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Question 9:

Guess the output of this program:

1. n = 11
2. print('Even' if n%2 == 0 else 'Divisible by 3' if n % 3 == 0 else 'Odd')

Even

Divisible by 3

Odd

Error

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Question 10:

Guess the output:

1. lst = [10, -20, 0, 7, -15]
3. print(all([num for num in lst if num >= 0]))

True

False

Error

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