XBit Labs - Software Training Institute

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Live Training Sessions

Date	May 19 2024	Session No	#1
Class	11	Board	
Subject	Python Programming	Topic	Demo - for loop

Problem 1: Print the table of 8 from 1 to 20
Question:
Write a program to print the multiplication table of 8, from 1 to 20. The output should display the results of 8 multiplied by each number in the range.

Sample output
8
8*2 = 16
8*3 = 24
8*4 = 32
...
8*20 = 160

Problem 2: Table of 11 in reverse order from 300 to 200
Question:
Write a program to print the multiplication of 11 starting from 300 down to 200. The output should display each number from 300 to 200 multiplied by 11.

Sample output :
300 * 11 = 3300
299 * 11 = 3289
298 * 11 = 3278

...
200 * 11 = 2200

Problem 3: Numbers between 200 to 300 divisible by 8 in reverse order
Question:
Write a program to print numbers between 200 and 300 that are divisible by 8, in reverse order.

Sample output :
296
288
280
...
208
200

Problem 4: Odd numbers between 9001 and 9500
Question:
Write a program to print all odd numbers between 9001 and 9500.

Sample output :
9001
9003
9005
...
9497
9499

Problem 5: Numbers between 50 and 100 divisible by 6
Question:
Write a program to print numbers between 50 and 100 that are divisible by 6.

Sample output:
54
60
66
...
96

Problem 6: Numbers divisible by 7 starting from 100 to 200
Question:
Write a program to print numbers between 100 and 200 that are divisible by 7.

Sample output:
105
112
119
...
196

Solutions

Problem 1:

```python
for num in range(1, 21):
    print(f'8 * {num} = {num * 8}')
```

Problem 2:

```python
for num in range(300, 199, -1):
    print(f'{num} * 11 = {num * 11}')
```

Problem 3:

```python
for num in range(296, 199, -8):
    print(num)
```

Problem 4:

```python
for num in range(9001, 9500, 2):
    print(num)
```

Problem 5:

```python
for num in range(54, 100, 6):
    print(num)
```

Problem 6:

```python
for num in range(105, 200, 7):
    print(num)
```

END