

## Looping Assignment — Questions + Answers

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### A. FOR Loop Questions

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#### 1. Print numbers from 1 to 10

```
for i in range(1, 11):  
    print(i)
```

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#### 2. Print even numbers from 2 to 20

```
for i in range(2, 21, 2):  
    print(i)
```

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#### 3. Print multiplication table of 7

```
for i in range(1, 11):  
    print(f"7 x {i} = {7 * i}")
```

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#### 4. Print squares of numbers from 1 to 5

```
for i in range(1, 6):  
    print(f"{i}^2 = {i*i}")
```

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#### 5. Print "Python is fun!" 4 times

```
for i in range(4):  
    print("Python is fun!")
```

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## B. WHILE Loop Questions

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### 6. Print numbers from 5 to 1

```
i = 5
while i >= 1:
    print(i)
    i -= 1
```

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### 7. Ask the user for a number `n`, and print numbers from 1 to `n`

```
n = int(input("Enter a number: "))
i = 1
while i <= n:
    print(i)
    i += 1
```

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### 8. Print the sum of numbers from 1 to 10

```
i = 1
total = 0
while i <= 10:
    total += i
    i += 1
print("Sum =", total)
```

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### 9. Print only odd numbers from 1 to 15

```
i = 1
while i <= 15:
    if i % 2 != 0:
        print(i)
    i += 1
```

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### 10. Print all numbers between 1 and 50 that are divisible by 7

10. Print all numbers between 1 and 50 that are divisible by 7

```
i = 1
while i <= 50:
    if i % 7 == 0:
        print(i)
    i += 1
```

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## C. BREAK Statement Questions

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11. Print numbers from 1 to 10, but stop when the number is 5

```
for i in range(1, 11):
    if i == 5:
        print("Loop stopped at 5")
        break
    print(i)
```

12. Ask the user to enter numbers repeatedly. Stop when the user enters 0

```
while True:
    num = int(input("Enter a number (0 to stop): "))
    if num == 0:
        print("Loop ended.")
        break
    print("You entered:", num)
```

13. Print numbers from 1 to 100 but stop when the number is divisible by 13

```
for i in range(1, 101):
    if i % 13 == 0:
        print("Found a number divisible by 13:", i)
        break
    print(i)
```

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## D. CONTINUE Statement Questions

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**14. Print numbers from 1 to 10 but skip 5**

```
for i in range(1, 11):
    if i == 5:
        continue
    print(i)
```

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**15. Print numbers from 1 to 20 that are not divisible by 4**

```
for i in range(1, 21):
    if i % 4 == 0:
        continue
    print(i)
```

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**16. Ask user for 5 numbers. Skip negatives, print positives only**

```
for i in range(5):
    num = int(input("Enter a number: "))
    if num < 0:
        continue
    print("Positive number:", num)
```