XBit Labs - Software Training Institute

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Live Training Sessions

Date :	21-May-2024	Board :	CBSE
Class :	8	Assignment :	#4
Subject :	Computer Science	Topic :	Python Basics - TEST

1. Write a for loop to print the numbers from 1 to 10.
2. Create a while loop to count down from 10 to 1 and print each number.
3. Using a for loop, print the even numbers from 2 to 20.
4. Write a while loop to repeatedly ask the user for their age until they enter a valid age (between 1 and 100).
5. Using a for loop, print each character of the string "Hello, World!" on a separate line.

Solutions :
1.

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

2.

```python
n = 10
while n > 0:
    print(n)
    n -= 1
```

3.

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

4.

```python
while True:
    age = int(input("Please enter your age: "))
    if 1 <= age <= 100:
        break
    else:
        print("Invalid age, please enter a number between 1 and 100.")
print(f"Your age is {age}.")
```

5.

```python
for char in "Hello, World!":
    print(char)
```

END