The University Of Mirpurkhas

PITP Class Work (26-09-2025)

1. Conditional Statements (if, elif, else)

C.Q 1: Check if a number is even or odd.

```python
# Program to check if a number is even or odd
num = int(input("Enter a number: "))
if num % 2 == 0:
    print(num, "is Even")
else:
    print(num, "is Odd")
```

C.Q 2: Grade system (A, B, C, Fail).

```python
# Program to check grade based on marks
marks = int(input("Enter your marks: "))

if marks >= 80:
    print("Grade: A")
elif marks >= 60:
    print("Grade: B")
elif marks >= 40:
    print("Grade: C")
else:
    print("Grade: Fail")
```

C.Q 3: Find the largest of two numbers.

```python
# Program to find the largest of two numbers
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))


if a > b:
    print(a, "is larger")
elif b > a:
    print(b, "is larger")
else:
    print("Both numbers are equal")
```

2. Loops (for, while)

C.Q 1: Print first 10 natural numbers using for loop.

```python
# Program to print first 10 natural numbers using for loop
for i in range(1, 11):
    print(i)
```

C.Q 2: Print numbers from 10 down to 1 using while loop.

```python
# Program to print numbers from 10 down to 1 using while loop
i = 10
while i >= 1:
    print(i)
    i -= 1
```

C.Q 3: Print multiplication table of any number given by user.

```
# Program to print multiplication table of a given number
num = int(input("Enter a number: "))
for i in range(1, 11):
    print(num, "x", i, "=", num * i)
```

3. Break and Continue

C.Q 1: Stop loop when number reaches 5 (using break).

```
# Program to stop loop when number reaches 5 using break
for i in range(1, 11):
    if i == 5:
        print("Loop stopped at 5")
        break
    print(i)
```

C.Q 2: Skip number 5 (using continue).

```
# Program to skip number 5 using continue
for i in range(1, 11):
    if i == 5:
        continue
    print(i)
```