### **Python Control Statements - Medium Level Questions**

### ****1. Check Even or Odd****

num = int(input("Enter a number: "))

if num % 2 == 0:

print("Even")

else:

print("Odd")

### ****2. Find the Greatest of Two Numbers****

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

if a > b:

print("First number is greater")

elif b > a:

print("Second number is greater")

else:

print("Both are equal")

### ****3. Find the Greatest of Three Numbers****

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

c = int(input("Enter third number: "))

if a >= b and a >= c:

print("First number is greatest")

elif b >= a and b >= c:

print("Second number is greatest")

else:

print("Third number is greatest")

### ****4. Positive, Negative, or Zero****

num = float(input("Enter a number: "))

if num > 0:

print("Positive")

elif num < 0:

print("Negative")

else:

print("Zero")

### ****5. Sum of First N Natural Numbers****

n = int(input("Enter a number: "))

total = 0

for i in range(1, n + 1):

total += i print("Sum is", total)

### ****6. Print Even Numbers from 1 to N****

n = int(input("Enter a number: "))

for i in range(1, n + 1):

if i % 2 == 0:

print(i)

### ****7. Table of a Number****

num = int(input("Enter a number: "))

for i in range(1, 11):

print(f"{num} x {i} = {num \* i}")

### ****8. Count from 1 to 10 Using While Loop****

i = 1while i <= 10:

print(i)

i += 1

### ****9. Sum of Digits****

num = int(input("Enter a number: "))

sum\_digits = 0while num > 0:

sum\_digits += num % 10

num //= 10print("Sum of digits:", sum\_digits)

### ****10. Simple Login System****

password = "admin123"

attempts = 3

while attempts > 0:

user\_input = input("Enter password: ")

if user\_input == password:

print("Login successful")

break

else:

attempts -= 1

print(f"Incorrect. {attempts} attempts left.")

else:

print("Account locked")

### ****11. Skip Multiples of 3****

for i in range(1, 21):

if i % 3 == 0:

continue

print(i)

### ****Break on Input Zero****

while True:

num = int(input("Enter a number (0 to stop): "))

if num == 0:

break

print(f"You entered: {num}")

### ****13. Count Even and Odd in a List of 5 Numbers****

even = 0

odd = 0for i in range(5):

num = int(input(f"Enter number {i+1}: "))

if num % 2 == 0:

even += 1

else:

odd += 1print("Even numbers:", even)print("Odd numbers:", odd)

### ****14. Print All Characters in a Word****

word = input("Enter a word: ")

for char in word:

print(char)

### ****15. Check Divisibility****

num = int(input("Enter a number: "))

if num % 2 == 0 and num % 5 == 0:

print("Divisible by both 2 and 5")

else:

print("Not divisible by both")