

Q1. Write a Python program that asks the user to enter

their name and prints a greeting that says "Hello, [name]!"?

```
name =input("Hello,what is your name?")
Hello,what is your name?Muhammad Abdul Umair
print("Hello", name,",How are you?")
Hello Muhammad Abdul Umair ,How are you?
```

Q2. Write a Python program that asks the user to enter

their age and prints a message that says "You are [age] years old"?

```
age=input("Enter age.")
Enter age.23
name=input("Enter name.")
Enter name.Muhammad Abdul Umair
print("Hi,my name is " + name+ ",and i am " + age +"years old.")
Hi,my name is Muhammad Abdul Umair,and i am 23years old.
```

Q3. Write a Python program that asks the user to enter

two numbers, calculates their sum, and prints the result?

```
a=int(input("enter first number"))
b=int(input("enter second number"))
sum=a+b
print(sum)

enter first number50
enter second number30
80
```

Q4. Write a Python program that asks the user to enter a

sentence and prints the sentence with every word capitalized?

```
sentence=input("Enter a sentence: ")
Enter a sentence: hello world
```

```
capitalized_sentence=' '.join(word.capitalize() for word in
sentence.title() )
print("Capitalized Sentence:", capitalized_sentence)
```

Capitalized Sentence: H E L L O W O R L D

Q5. Write a Python program that asks the user to enter a string and checks whether the string is a palindrome or not?

```
def is_palindrome(s):
    s=s.replace(" ", "").lower()
    return s==s[::-1]

user_input=input("enter a string: ")
enter a string: hello world

if is_palindrome(user_input):
    print("The string is a palindrome.")
else:
    print("The string is not a palindrome.")

The string is not a palindrome.
```

Q6. Write a Python program that asks the user to enter a temperature in Celsius and converts it to Fahrenheit

```
def celsius_to_fahrenheit(celsius):
    fahrenheit=(celsius *9/5)+ 32
    return fahrenheit

celsius=float(input("Enter the temperature in celsius: "))
Enter the temperature in celsius: 30

fahrenheit = celsius_to_fahrenheit(celsius)
print(f"{celsius} degrees Celsius is equal to {fahrenheit} degrees
fahrenheit.")

30.0 degrees Celsius is equal to 86.0 degrees fahrenheit.
```