if-else

January 8, 2024

1 1) Write a program to find the lowest number out of two numbers excepted from user.

```
[2]: n1 = float(input("Enter 1st number : "))
     n2 = float(input("Enter 2nd number : "))
     if n1 > n2:
         print(f"The number {n1} is greater.")
     else:
         print(f"The number {n2} is greater.")
```

```
The number 30.0 is greater.
```

2 2) Write a program check to whether a number (accepted from user) is divisible by 2 and 3 both.

```
[4]: num = int(input("Enter the number : "))
     if num % 2 == 0 and num % 3 == 0:
         print(f"The number {num} is divisible by 2 and 3 both.")
     else:
         print(f"Number {num} is not divisible by 2 and 3 both.")
```

```
The number 18 is divisible by 2 and 3 both.
```

3 3) Accept the age of 4 people and display the oldest one.

```
[8]: age1 = int(input("Enter the age of 1st person : "))
     age2 = int(input("Enter the age of 2nd person : "))
     age3 = int(input("Enter the age of 3rd person : "))
     age4 = int(input("Enter the age of 4th person : "))
     max_age = max(age1,age2,age3,age4)
     print(f"The person with age {max_age} is oldest.")
```

```
The person with age 85 is oldest
```

4 4) Write a program to check whether a number is prime or not.

```
[43]: num = int(input("Enter the number to check if it is prime : "))
      for i in range(2,num):
          if num == 2:
              print(f"The number {num} is prime")
              break
          if num % i == 0:
              print(f"The number {num} is not prime")
              break
      else:
          print(f"The number {num} is prime")
```

The number 199 is prime

```
[44]: num = int(input("Enter the number to check if it is prime : "))
      for i in range(2,int(num/2)+1):
          if num == 2:
              print(f"The number {num} is prime")
              break
          if num % i == 0:
              print(f"The number {num} is not prime")
              break
      else:
          print(f"The number {num} is prime")
```

The number 199 is prime

```
[28]: num = int(input("Enter the number to check if it is prime : "))
      for i in range(2,int(num**(1/2))+1):
          if num == 2:
              print(f"The number {num} is prime")
              break
          if num % i == 0:
              print(f"The number {num} is not prime")
              break
      else:
          print(f"The number {num} is prime")
```

The number 199 is prime

5 5) Write a program to check a character is vowel or not.

```
[34]: chara = input("Enter the character : ")
      if (chara == 'A' or chara == 'a' or
          chara == 'E' or chara == 'e' or
          chara == 'I' or chara == 'i' or
```

```
        chara == 'O' or chara == 'o' or
        chara == 'U' or chara == 'u') :
        print("The character is vowel.")
else:
        print("The character is nor vowel.")
```

The character is vowel.

```
[39]: chara = input("Enter the character : ")
      if chara.lower() in ('a','e','i','o','u'):
          print("The character is vowel.")
      else:
          print("The character is not vowel.")
```

The character is not vowel.

[ ]: