EDA

January 8, 2024

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

[1]:
```
number1 = int(input("Enter the first number: "))
number2 = int(input("Enter the second number: "))
if number1 < number2:
    lowest_number = number1
else:
    lowest_number = number2
print("The lowest number is:", lowest_number)
```

```
Enter the first number: 12
Enter the second number: 11
The lowest number is: 11
```

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

[2]:
```
number = int(input("Enter a number: "))
if number % 2 == 0 and number % 3 == 0:
    print(f"{number} is divisible by both 2 and 3.")
elif number % 2 == 0:
    print(f"{number} is divisible by 2, but not by 3.")
elif number % 3 == 0:
    print(f"{number} is divisible by 3, but not by 2.")
else:
    print(f"{number} is not divisible by either 2 or 3.")
```

```
Enter a number: 12
12 is divisible by both 2 and 3.
```

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

[3]:
```
age1 = int(input("Enter the age of person 1: "))
age2 = int(input("Enter the age of person 2: "))
age3 = int(input("Enter the age of person 3: "))
age4 = int(input("Enter the age of person 4: "))
oldest_age = max(age1, age2, age3, age4)  # Use the max() function for␣
 ↪efficiency
print("The oldest person is", oldest_age, "years old.")
```

```
Enter the age of person 1: 1
Enter the age of person 2: 3
Enter the age of person 3: 5
Enter the age of person 4: 7
The oldest person is 7 years old.
```

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

[5]:
```python
def is_prime(n):
    if n <= 1:
        return False
    for i in range(2, int(n**0.5) + 1):
        if n % i == 0:
            return False
    return True
number = 60
if is_prime(number):
    print(f"{number} is a prime number.")
else:
    print(f"{number} is not a prime number.")
```

```
60 is not a prime number.
```

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

[6]:
```python
vowels = "aeiouAEIOU"
character = "e"
if character.lower() in vowels:
    print(f"{character} is a vowel.")
else:
    print(f"{character} is not a vowel.")
```

```
e is a vowel.
```

[ ]:
```
```