Day 05 -python logic test

Q.2) Write a Python program to calculate the sum of the digits in an integer.

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

def interger_add(num):
    total = 0
    while num > 0:
        digit = num % 10
        total = total + digit
        num = num // 10
    return total

ans=interger_add(num)
print(ans)
```

```
Enter a number:125
8

Process finished with exit code 0
```

Write a Python function to check whether a number is perfect or not.

```
num=int(input("Enter a number:"))
def special_number(num):
    sum_div=0

    for i in range(1,num):
        if num%i==0:
            sum_div=sum_div+i

    if num==sum_div:
        print(f"{num} is a perfect number")
    else:
        print(f"{num} is not a perfect number")


special_number(num)
```

```
Enter a number:6
6 is a perfect number

Process finished with exit code 0
```

Write a Python function to check whether a string is a pangram or not.
Note : Pangrams are words or sentences containing every letter of the alphabet at least
once.
For example : "The quick brown fox jumps over the lazy dog"

```
str="The quick brown fox umps over the lazy dog"

def pangram_check(str):
    lower_str=str.lower()
    vocab="qwertyuioplkjhgfdsazxcvbnm"
    for ch in vocab:
        if ch not in lower_str:
            return "Not Pangram"
    return "panegram"


print(pangram_check(str))
```

```
Not Pangram

Process finished with exit code 0
```

Write a Python program to sort three integers without using conditional statements and
loops. [u can use built in functions for this]

```
num1=int(input("Enter 1st integer:"))
num2=int(input("Enter 2nd integer:"))
```

```
num3=int(input("Enter 3rd integer:"))

mylist=sorted([num1,num2,num3])
print("sorted values are :")
print(*mylist)
```

```
Enter 1st integer:14
Enter 2nd integer:52
Enter 3rd integer:2
sorted values are :
2 14 52

Process finished with exit code 0
```