

PLACEMENT PREP 5

##1 Write a Python function to check whether a string is a pangram or not.

```
alpha = "abcdefghijklmnopqrstuvwxyz"
```

```
def ispanagram(s):
```

```
    s = s.lower()
```

```
    for i in alpha:
```

```
        if (i not in s):
```

```
            print("Its not Panagram")
```

```
            return
```

```
    print("It is Panagram")
```

```
ispanagram("Sanket")
```

```
ispanagram("The quick brown fox jumps over the lazy dog")
```

```
exe c:/Users/Sanket/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep5.py
Its not Panagram
It is Panagram
Enter the number:
```

##2 Write a Python program to calculate the sum of the digits in an integer

```
a = []
```

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

```
for i in str(num):
```

```
    a.append(int(i))
```

```
print(sum(a))
```

```
Enter the number: 431
8
Enter 3 Digit Number: 
```

3 Write a Python program to sort three integers without using conditional statements and loops.

```
a = []  
  
for i in range(3):  
    num = int(input("Enter 3 Digit Number:"))  
    a.append(num)  
    a.sort()  
  
print(a)
```

```
exe c:/Users/Sanket/OneDrive/Desktop/PYTHON/042_Sanket_Pingle_placement_prep5.py  
Enter 3 Digit Number:8  
Enter 3 Digit Number:1  
Enter 3 Digit Number:7  
[1, 7, 8]  
Enter a number: █
```

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

```
def perfect(n):  
    s = 0  
    for i in range(1, n):  
        if n % i == 0:  
            s += i  
    return s == n  
  
num = int(input("Enter a number: "))  
  
if perfect(num):  
    print("Perfect number")  
  
else:  
    print("Not a perfect number")
```

```
Enter a number: 6  
Perfect number  
PS C:\Users\Sanket\OneDrive\Desktop\PYTHON> █
```