

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: 431
```

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> ■
```