
Q1

```
s="The quick brown fox jumps over the lazy dog"
```

```
b = set('abcdefghijklmnopqrstuvwxyz')
l = set(char.lower() for char in s if char.isalpha())
if b.issubset(l)==True:
    print("Yes,It is pangram ")
else:
    print("Not a pangram")
```

```
"C:/Users/niraj/Downloads/Stu
Yes, It is pangram
```

Q2

```
a=input("Enter the number:")
b=0
for i in a:
    b+=int(i)
print(b)
```

```
"C:/Users/niraj/Downloads/Stu
Enter the number:1256
14
```

Q3

```
a=[int(i) for i in input("Enter the numbers:").split(" ")]
print("Before Sort:",a)
a.sort()
print("After Sort:",a)
```

```
"C:/Users/niraj/Downloads/Study/CDAC/Python/Py  
Enter the numbers:1 25 69 88 12 3 98659 5  
Before Sort: [1, 25, 69, 88, 12, 3, 98659, 5]  
After Sort: [1, 3, 5, 12, 25, 69, 88, 98659]
```

Q4

```
a=int(input("Enter the number:"))  
b=0  
for i in range(1,int(a/2)+1):  
    if a%i==0:  
        b+=i  
  
if b==a:  
    print("Yes,It is Perfect Number")  
else:  
    print("No,It is Not a Perfect Number")
```

```
"C:/Users/niraj/Downloads/Study/CDAC  
Enter the number:496  
Yes, It is Perfect Number
```