

PYTHON TEST 5

#1

```
string_1="The quick brown fox jumps over the lazy dog"
letter = set(ch.lower() for ch in string_1 if ch.isalpha())
if len(letter)==26:
    print("Its a pangram")
else:
    print("Not a pangram")
```

```
[19]: #1
string_1="The quick brown fox jumps over the lazy dog"
letter = set(ch.lower() for ch in string_1 if ch.isalpha())
if len(letter)==26:
    print("Its a pangram")
else:
    print("Not a pangram")

Its a pangram
```

#2

```
number = int(input("Enter the number"))
su=0
while number>0:
    digit = number%10
    su=su+digit
    number = number//10
print(su)
```

```
[17]: #2
number = int(input("Enter the number"))
su=0
while number>0:
    digit = number%10
    su=su+digit
    number = number//10
print(su)

Enter the number 1234
10
```

#3

```
a=int(input())
b=int(input())
c=int(input())
smallest=min(a,b,c)
largest=max(a,b,c)
middle=a+b+c-smallest-largest

print(smallest,middle,largest)
```

```
[4]: #3
a=int(input())
b=int(input())
c=int(input())
smallest=min(a,b,c)
largest=max(a,b,c)
middle=a+b+c-smallest-largest

print(smallest,middle,largest)

5
10
20
5 10 20
```

#4

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

```
[25]: #4
def is_perfectnumber(n):
    s=0
    for i in range(1,n):
        if(n%i==0):
            s=s+i
    return s==n
num = int(input("Enter the number"))
if(is_perfectnumber(num)):
    print("The number is a perfect number")
else:
    print("The number is not a perfect number")
```

```
Enter the number 8128
The number is a perfect number
```