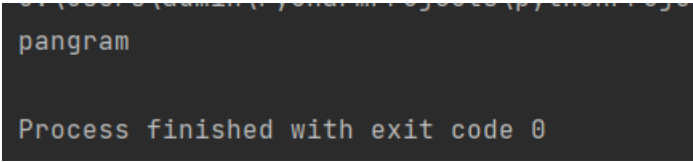


Q.1) Write a Python function to check whether a string is a pangram or not. Note : Pangrams are words or sentences containing every letter of the alphabet at least once. For example : "The quick brown fox jumps over the lazy dog"

```
s="the quick brown fox jumps over the lazy dog"
a=set()
for i in s.lower():
    if i.isalpha():
        a.add(i)
if(len(a)==26):
    print("pangram")
else:
    print("not pangram")
```

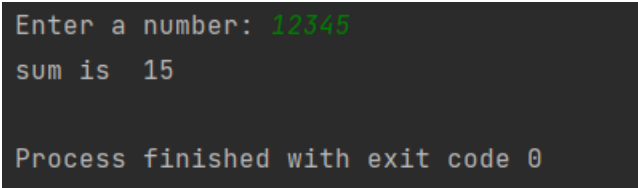


```
pangram
```

```
Process finished with exit code 0
```

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

```
n=int(input("Enter a number: "))
s=0
while n>0:
    s=s+n%10
    n=n//10
print("sum is ",s)
```



```
Enter a number: 12345
```

```
sum is 15
```

```
Process finished with exit code 0
```

Q.3) Write a Python program to sort three integers without using conditional statements and loops. [u can use built in functions for this]

```
a=3
b=1
c=2
print("after sorting ",sorted([a,b,c]))
```

```
after sorting  [1, 2, 3]

Process finished with exit code 0
```

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

```
n=int(input("Enter a number: "))
m=0
for i in range(1, n):
    if n % i == 0:
        m=m+i
if m==n:
    print("Number is perfect")
else:
    print("Number is not perfect")
```

```
Enter a number: 6
Number is perfect

Process finished with exit code 0
```