

```

str = "Python is a case sensitive language"
length = len(str)
print(length)
reverse = str[::-1]
print(reverse)
slices = str[10:26]
print(slices)
replaced = str.replace('a case sensitive','object oriented')
print(replaced)
search = str.find('a')
print(search)
spacing = str.replace(" ","")
print(spacing)

```

```

35
egaugnal evitisnes esac a si nohtyP
a case sensitive
Python is object oriented language
10
Pythonisacasesensitivelanguage

```

```

name = 'HARSH'
sid = '21109017'
department = 'PRODUCTION AND INDUSTRIAL ENGINEERING'
cgpa = '9.9'
print("Hello, my name is ",name)
print("My SID is ",sid)
print("I am from ",department)
print("I have secured CGPA of ",cgpa)

```

```

Hello, my name is HARSH
My SID is 21109017
I am from PRODUCTION AND INDUSTRIAL ENGINEERING
I have secured CGPA of 9.9

```

```

a=56
b=10
print("the answer to option a is:",a&b)
print("the answer to option b is:",a|b)
print("the answer to option c is:",a^b)
print("the answer to option d is:",a<<2,"and",b>>2)
print("the answer to option e is:",a>>2,"and",b<<2)

```

```

the answer to option a is: 8
the answer to option b is: 58
the answer to option c is: 50
the answer to option d is: 224 and 2
the answer to option e is: 14 and 40

```

```
str = input("the string is : ")
if "name" in str :
    print("Yes")
else :
    print("No")
```

the string is : 1203warzone  
No

```
s1 = int(input("the side 1 is : "))
s2 = int(input("the side 2 is : "))
s3 = int(input("the side 3 is : "))
if((s1 + s2) > s3) :
    print("Yes")
elif((s2 + s3) > s1) :
    print("Yes")
elif((s1 + s3) > s2) :
    print("Yes")
else :
    print("No")
```

the side 1 is : 3  
the side 2 is : 4  
the side 3 is : 5  
Yes

```
a = int(input("the number 1 is : "))
b = int(input("the number 2 is : "))
def countOne(n) :
    count = 0
    while(n) :
        count += 1
        n &= (n - 1)
    return count
def countFlips(a , b) :
    return countOne(a ^ b)
print(countFlips(a , b))
the number 1 is : 2
the number 2 is : 5
```

3