Programs of String

In [2]:
```python
# 1) write a program to check given string has only alphabets
s=input("Enter a text:")
if s.isalpha():
    print("Alphabetical String")
else:
    print("Not a Alphabetical String")
```

```
Enter a text:nikhilVishwakarma
Alphabetical String
```

In [4]:
```python
# 2) write a program to check if a given character is present in given string
s=input("Enter a text:")
c=input("Enter a Character:")
if c in s:
    print("Character is Present")
else:
    print("Character is  Not Present")
```

```
Enter a text:nikhil
Enter a Character:i
Character is Present
```

In [6]:
```python
# 3) write a program to count vowels present in  a given string
s=input("Enter a text:")
v="aeiou"
c=0
for i in s:
    if i in v:
        c+=1
    elif i in v.upper():
        c+=1
print(c,"vowels present")
```

```
Enter a text:nikhil VISHWAKARMA Aids
8 vowels present
```

In [10]:
```python
# 4) write a program to count words in a given string
s=input("Enter a text:")
v=input("Enter a word:")
print("Count of \"",v,"\" is",s.count(v))
```

```
Enter a text:hello hello Hello HE is she he
Enter a word:he
Count of " he " is 4
```

```python
In [1]:   # 5) write a program to reverse a string
          s = input("Enter a text:")
          print(s[-1:-(len(s)+1):-1])
```

```
Enter a text:nikhil vishwakarma
amrakawhsiv lihkin
```

```python
In [8]:   # 6) write a program to reverse a string word wise
          s = input("Enter a text:")
          l=s.split()
          for i in l:
              r=i
              print(r[-1:-(len(r)+1):-1],end=" ")
```

```
Enter a text:sandeep nikhil ankit rahul
peednas lihkin tikna luhar
```

```python
In [9]:   # 7) write a program to extract no. from a given string and store all the no. ⌐
          s = input("Enter a text:")
          n="0123456789"
          l=[]
          for i in s:
              if i in n:
                  l.append(i)
                  print(i)
```

```
Enter a text:nikhil 67 jrd 2 tata ok 4
6
7
2
4
```

```python
In [13]:  # 8) write a program to check whether a string is pllindron or not
          s = input("Enter a text:")
          if s[-1:-(len(s)+1):-1] == s[0:len(s)+1]:
              print("String is Pallindrom")
          else:
              print("Not a Pallindrom")
```

```
Enter a text:nitin
String is Pallindrom
```

```python
In [14]:  # 8) write a program to transform a string in uppercase
          s = input("Enter a text:")
          print(s.upper())
```

```
Enter a text:nikhil vishwakarma
NIKHIL VISHWAKARMA
```

```python
# 9) write a program to find max length words in a given string
s = input("Enter a text:")
l=s.split()
r = "a"
for i in l:
    if len(r)<=len(i):
        r=i
    else:
        continue
print(r)
```

Enter a text:nikhil third sem aids department sistec gandhi nagar
department