

1)

```
str = input("enter a string:")  
  
counter = 0  
  
for s in str:  
  
    counter = counter + 1  
  
print("length of input string is:", counter)
```

output:- enter a string:pavan

length of input string is: 5

2)

```
def char_frequency(str1):  
  
    dict = {}  
  
    for n in str1:  
  
        keys = dict.keys()  
  
        if n in keys:  
  
            dict[n] += 1
```

```
        else:  
            dict[n] = 1  
  
    return dict  
  
print(char_frequency('pavan'))
```

output:- {'p': 1, 'a': 2, 'v': 1, 'n': 1}

3)

```
def chars_mix_up(a, b):
```

```
    new_a = b[:2] + a[2:]
```

```
    new_b = a[:2] + b[2:]
```

```
    return new_a + '' + new_b
```

```
print(chars_mix_up('abc', 'xyz'))
```

output:- xyc abz

4)

```
user_input = input("what is your name?")
```

```
print("my name is", user_input.upper())
```

```
print("my name is", user_input.lower())
```

output:- what is your name?pavan

my name is PAVAN

my name is pavan

5)

```
str1 = 'pavan\n'
```

```
print(str1)
```

```
print(str1.rstrip())
```

output:- pavan

pavan

6)

```
str1 = 'my name is pavan'
```

```
print()
```

```
print(str1.count("name"))
```

```
print()
```

```
output:- 1
```

7)

```
def convert(string):
```

```
    li = list(string.split(" "))
```

```
    return li
```

```
str1 = "my name is pavan"
```

```
print(convert(str1))
```

```
output:- ['my', 'name', 'is', 'pavan']
```

8)

```
test_str = "pavan"
```

```
print("original string is:" + test_str)
```

```
new_str = ""
```

```
for i in range(len(test_str)):
```

```
    if i != 1:
```

```
new_str = new_str + test_str[i]  
print("string after removal of 'i'th character:" + new_str)
```

output:- original string is:pavan

string after removal of 'i'th character: pvan