**Ans.3:**

```
for i in range (1,5):
    for J in range( 1, i+1):
        if (j==1 or j==i):
            print("#", end="")
        else:
            print(" ", end="")
    print(" ")
```

*V. Good*
*Got better*
*result! keeping up*

(50)
(50)

```
for i in range (4, 1, -1):
    for J in range( i, 1, -1):
        if (j==2 or j==i):
            print("#", end="")
        else:
            print(" ", end="")
    print(" ")
```

**Ans.4:**

```
str1 = 'regexian'
str2 = 'tushar'
str3 = ''
str4 = ''
for i in str1:
    if i not in str3:
        str3 = str3 + i

for j in str2:
    if j not in str4:
        str4 = str4 + j
```

```
cou = 0
for i in str3 :
        for j in str4 :
            if (i==j):
                cou= cou+1 .


print (cou)
```

**Ans.2.**

```
mylist = []
def greater( str1, K):
        str1 = str1.split(" ")
        for i in str1 :
            for j in i :
            if len(i) > K :
                return my list. appen(i)


str1 = 'Hello hey Computer science new'
K = 4
greater (str1,K)


        result =  " "  .Join (mylist)
        return mylist
```

**Ans.1.**

```
str = 'ababa'
my dict = { }

for i in range (len(str)):
    a = i+1
    for j in range (i, len(str)):
        if str[i:a] not in mydict:
            mydict [str[i:a]] = 1
        else:
            mydict [str[i:a]] += 1
        a = a+1
```

**Ans.5.**

```
def palindrome (num):
    sum = 0
    rem = 0
    while (nu
    a = num
    while (num > 0):
        rem = num /.10
        sum = sum * 10 + rem
        num = num // 10

    if (a == sum):
        b = True
    else :
        b = False
    mydict = { }
```

# return mydict[num] → b
dict

palindrome (1&3)

**Ans. 1.**
```
str = 'ababa'
my dict = {}
for i in str:
        if i not in mydict:
                mydict[i] = 1
        else:
                mydict[i] += 1

for i in range (0, len(str)):
        for k in range (i+1, len(str)):
                if (str[i:k] not in mydict):
                        mydict(str[i:k]) = 1
                else:
                        mydict(str[i:k]) += 1

print (mydict)
```