```
1. Write a program to print the pattern
CODE:
for i in range(1,6,1):
  for j in range(5,i,-1):
     print(" ",end="")
  for k in range(1,i+1,1):
     print("*",end=" ")
  print()
OUTPUT:
Manual tracing:
i = 1,2,3,4,5
Whenever i=1
```

```
j=(5,i,-1)=5,4,3,2
k=(1,i+1,1)=1
it prints 4 spaces and 1 star.
For i=2 j=5,4,3 k=2
For i=3 j=5,4 k=3
For i=4 j=5 k=4
For i=5 j=0 k=5
2. Write a program to print
Code:
for i in range(1,6,1):
  for j in range(1,i+1,1):
     print("*",end=" ")
  print()
```

```
for x in range(1,5,1):
    for y in range(5,x,-1):
        print("*",end="")
    print()
Output:
*
* * *
* * *
* * *
* * *
* * *
* * *
* * *
* * *
* * *
```

3. Write a program to print

Code:

```
for i in range(1,6,1):

print("*"*i,end="")

print(""*(2*(5-i)),end="")

print("*"*i,end="")

print("")

for j in range(4,0,-1):

print("*"*j,end="")

print(" "*(2*(5-j)),end="")

print("*"*j,end="")

print(""")
```