## 22/09/2025

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(""")
```