21. Write a program to print following patterns :

```
i    *                ii       *              iii   *****
     * *                    *  *                    ****
     * * *                *  *  *                    ***
     * * * *            *  *  *  *                    **
     * * * * *        *  *  *  *  *                    *
```

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#include<stdio.h> //pattern 1 int main() {int n,i,j;

printf("enter a value of pattern you want to print ");

scanf("%d",&n);

for(i=1;i<=n;i++)

{ //printf(" ");

for(j=1;j<=i;j++)

{

printf("*"); }

printf("\n"); } return 0;

}

```
#include <stdio.h>
int
main ()
{
  int n, m;
  printf ("Enter the number of rows");
  scanf ("%d", &n);
  m = n;
  for (int i = 1; i <= n; i++)
    {
      for (int j = 1; j <= m - 1; j++)
        {
          printf (" ");
```

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```
        }
      for (int k = 1;  k <= 2 * i - 1;  k++)
        {
          printf ("*");
        }
      m--;

      printf ("\n");
    }
   return 0;
}_____
```

#include<stdio.h> //pattern 3

int main()

 {int n,i,j;

printf("enter a value of pattern you want to print "); scanf("%d",&n);

 for(i=n;i>=1;i--)

 { for(j=i;j>=1;j--) {

printf("*"); }

printf("\n"); } return 0;}

2

PRACTICAL NO.20

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Compile Result

```
enter a value of pattern you wan
t to print 5
*
**
***
****
*****

[Process completed - press Enter
]
```

Compile Result

```
enter a value of pattern you wan
t to print 5
*****
****
***
**
*

[Process completed - press Enter
]
```

mpile Result

```
er the number of rows5
   *
 ***
 ****
 *****
 ******

ocess completed - press Er
```

PRACTICAL NO.20