(3)

```
#include<stdio.h>

int main()

{
    int n, i, j;
    printf("Enter the number of rows\n");
    scanf("%d", &n);
    for(i=0; i<=n; i++)
    {
        for(j=0; j<=i; j++)
        {
            printf("*");
            for(n=1; n<=10; n++)
        {
            printf("%d", n);
        }
        }printf("\n");
    }
```

(4)

```
#include<stdio.h>

int main()
{ char name[30];
  int ds, ooj, k, p, i;
  int n, DS, OOJ, K, P;
  printf("enter the number of students\n");
  scanf("%d", &n);
  printf("enter the CIE marks of a student\n");
  printf("enter marks in data structure\n");
  scanf("%d", &DS);
  printf("enter marks in object oriented Java\n");
  scanf("%d", &OOJ);
  printf("enter marks in Kannada\n");
  scanf("%d", &K);
  printf("enter marks in physics\n");
  scanf("%d", &P);
  printf("enter the SEE marks of a student\n");
  printf("enter marks in data structure\n");
  scanf("%d", &ds);
  printf("enter marks in object oriented
         Java\n");
  scanf("%d", ooj);
  printf("enter marks in Kannada\n");
  scanf("%d", &i);
```

```
printf("enter marks in physics\n");
scanf("%d", &p);
printf("enter the name of a student");
scanf("%s", &name);

for(i=0; i<=n; i++);
{
  printf( print the grade of student %d\n", i);
  printf("Name : %s \n", name);
  a A = dS + DS/2;
  b B = 00j + 00j/2;
  c K = K + K/2;
  d D = P + P/2

  if (A >= 90 && B <= 100)
  {
    printf("Grade in data structure is
            S %d \n", A);
  }
else
  if (A >= 80 && B <= 90)
  {
  printf("Grade in Object Oriented Java
          Programming is A\n");
  }
```

⑥

```
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
int main()
{
  int z, r, h;
  float pi = 3.14;
  while(1);
printf("area and volume of \n1:
        cylinder \n2: cone \n3:
        sphere \n");
printf("\n Enter the choice \n");

scanf("%d", &z);

printf("enter the radius \n");
scanf("%d", &r);
printf("enter the height \n");
scanf("%d", &h);
switch(z)
{
   int A, V;
   case 1:
      A = 2 * pi * r * h + 2 * pie * r * r;
      V = Pi * r * r * h;
      printf("AREA: %d \n", A);
      printf("Volume: %d \n", V);
```

break;

case 2:

A = pi * r * (r + sqrt(h*h + r*r));

V = pi * r * r * h / 3;

printf("area : %d \n", A);

printf("Volume : %d \n", V);

break;

case 3:

A = 4 * pi * r * r;

V = (4/3) * pi * r * r * r;

printf("area : %d \n", A);

printf("Volume : %d \n", V);

break;

case 4:

exit(0);

}

}

(5)

```
#include <stdio.h>
int main()
{
    int a, b, i, j;
    printf("Enter the two integers \n");
    scanf("%d %d", &a, &b);
    for (i = a; i <= b; i++)
```

```
{ j=0;
  for (i=2; i<=n/2; i++)
    { if (n%i==0)
      { j++;
        break;
      }
    }
  if ((j==0)&&(n!=1))
  printf("%d\n",n);
}
return 0;
}.
```