3)

```c
#include<stdio.h>
int main()
{
    int n, a;
    a = 1;
    printf("enter a number:");
    scanf("%d", &n);
    for(int i = 1; i <= n; i++)
    {
        for(int j = 1; j <= i; j++)
        {
            printf("%d", a);
            a++;
        }
        printf("\n");
    }
    return 0;
}
```

```c
# include <stdio.h>
int main()
{
    int cie[50], see[50], total[50];
    printf("enter marks for 5 subjects =\n");
    for (int i=1; i<=5; i++)
    {
        printf("enter CIE (out of 50) and SEE (out of 50)
                marks for %d subject :"&,i);
        scanf("%d %d", &cie[i], &see[i]);
        total[i]= cie[i]+ see[i];
    }
    printf("the grade in each subject à :\n");
    for (int i=1; i<=5; i++)
    {
        printf("\n the grade in subject %d is : ",i);
        if( total[i]>=90)
        printf("s");
        else if( total[i] >=80 && total[i]<90)
        printf("A");
        elseif( total[i]>=70 && total[i]<=80)
        printf("B");
        elseif(total[i]>=60 && total[i]<70)
        printf("C");
        else if(total[i]>=50 && total[i]<60).
        printf("D");
        else if( total[i]>=40 && total[i]<50)
```

```c
        printf("E");
    else
        printf("Fail");
    }
    return 0;
}
```

5)

```c
# include <stdio.h>

int main( )
{
    int a,b;
    printf(" Enter two numbers:");
    scanf(".%d %-d", &a, &b);
    int k;
    printf("the prime numbers between %d and %d:\n",
           a,b);
    for(int i=a; i<=b; i++)
    {
        for( int j=2; j<= i/2; j++)
        {
            if(i %-j==0)
            {
                k=0;
                break;
            }
            else
                k=1;
        }
        if(k==1)
        printf("%d \n", i);
    }
    return 0;
}
```