```
int GCD(int num1,int num2);
   int main()
   {
     int num1, num2, gcd;
     printf("\nGCD of two numbers :");
      printf(" Enter 1st number: ");
     scanf("%d",&num1);
     printf(" Enter 2nd number: ");
10
      scanf("%d",&num2);
11
12
13
    gcd = GCD(num1,num2);
    printf("\n The GCD of %d and %d is: %d\n",num1,num2,gcd
14
      return 0;
18 int GCD(int a,int b)
19- {
20
21-
22
23
24
25
26
27
         while(al=b) {
               return GCD(a-b,b);
```

```
r mamper:
        scanf("%d",&num1);
  10
 11 printf(" Enter 2nd number: ");
 V / 9
GCD of two numbers : Enter 1st number: 1 oxed{I}
 Enter 2nd number: 3
 The GCD of 1 and 3 is: 1
 ...Program finished with exit code 0
Press ENTER to exit console.
```

```
* Write a elecursive program to find Gico of
  two numbers
  Hinclude 25+dio-h>
   int GCD (int num; int num2);
   ind main()
   int numi, numi, ged;
   Printf("In aco of two number: "):
   Printf(" Enter 1st number: ");
   Scanf ("7.d", srumi):
   Print (" Enter 2nd number: ");
   Scanfl" 1.d", snum2);
  ged = GCD(num1, num2);
   Puitfl"The GCD is 1.d: ", gcd);
   returno;
   int GCD (inta, int b)
   while(a1=b)
   if (a > 6)
   return GCD (a-b, b);
   else
   etwin acplastas:
   eltum a:
```