```
i) Solve tower of Haroi.
 #include (Stdio.h)
 void towers & (int, char, char, char)'
 int main ()
  int num;
 prints (" Enter the number of disks!"),
 Scarf (" 1.d", & num)',
 pents (" the sequence of moves involved in the tower of hanoi ari'm
 towers (num, 'A', 'C', 'B');
Setuen O',
 void towers (int num, char a char b, char c)
 in (num == 1)
  print ("In Nove disk I from peg 1.c to peg 7.c", a,b);
 setuen',
Towers (num-1, a, b, c)
 print (" to In move disk 1.d from pegy.c to peg 1.c", num, a, b);
 towers (num-1, c, b, a);
```

```
S. R. PODJA
                                                            18M1905135
GCD!
#include < 8tdio.h>
 int god (int m, int n)
  if (u==0)
  Return m;
 if (m<n) who
 lebren gd (n, m);
 Return god (n, m).n);
int main ()
 int m, n, ses,
 prints (" Enter m and n \n");
 & scanf (" 1.d1.d", &m, &n),
 203 - 960 9
 Res = gcd (m,n),
 pent (" GCD of 1.d and 1.d is 1.d", m,n, ees);
```

S.R. POOJA Modification Court on the 1BM19CS135 number & lecuesive call-in solving Powers - g hanoi puble de la lació towers (num distes, start-peg, end-peg, court=0) & Count += 1 pent court setuen towers (run-discs, start-peg, end-peg, court)

S.R.Pooja