```
NINgnmanb-6
  calculate sum of first N natural numbers.
 #include < Stdio.n>
 int main ()
    int n, s, 1;
    Printf ("enter a number");
    Scanf ("1.d", &n),
    for(i=1; iz=n; i+1)
    for (i=1; S=0; iz=n; i++)
     S = S+1;
     Printf ("1-d", S);
     neturno;
And enber a number 7
     28
Q.2 calculate sum of first N even natural number
    # Include a Stdio.ns
    ind main ()
    2 ind ind n, s, i;
          Crinof ("enter a number");
          scanf. ("/d", &n);
          for (i=1; S=0; iz=n; i++)
           S=S+1; Ni;
         erint f("1.d", S);
         neturno;
```

enter a number 7

```
2.3 calculate sum offices N odd natural number
  #include & stdio.h>
  ind main()
  } int n, s, i;
     Printif ("enter a number");
     Scant ("14", 2n);
    for (1=1, S=0; 12=n; 1++)
     S=S+2xx-1;
     lrintf("1.4", S);
     return o;
 And enter a number 10
      100
  Qu calculate sum of squares of first N natural numbers
     #include & Stdio.hs
                int main ()
       ind n, 5, 1;
       frintf ("enter a number");
       scanf ("1.d", &n);
       for(1=1, S=0; 12=n; 1++)
       S=S+ ixi;
       Print f ("1d", S);
      returno;
      enter a number 5
       49 55
```

```
scalculate sum of cubes of flexs N natural number
finclude < Stdions
int main ()
1 inb m, s, 1:
   Crint ("enter a number");
   scanf (" 1.4", n &n);
   for (1=1;5=0; iz=n;i++)
   S= S + ixixi:
   Print + ("1.4", S);
   neturno:
by enter a number to &
  1296
  calculate factorial of a number.
   #include L stdio.n)
   into main ()
       int n, i, $act;;
        Printf("enter a number");
        scanf ("1.d", 2n);
        for (1=1,1; 14=79; 1++)
        S= 5xnd, facb=facb xi;
Erinbf("1.d", S);
         oduno
          fact = factri;
          Prinof ("factorial of Yid is yid", n, fact);
      3 return o',
And enter a number 5
    factorial of 5 is 120
```

count digit in a given number # include < sbdio. h> ind main () PRO int n. count = 0; Crist ("ender value of n"); Scanf ("1'd", &n); while (n) n-n/10; count++; Crisal f ("number of digit is "d", count); neturno, ANd enter value of n 1 134

number of digit is 4

```
Q:8 check whether a given number 43 a
                             brime number ar not.
                                # instude 2 Stolio. h)
                                  ind main ()
                                                        int n, i, flag = 0;
                                                        Print+ ("enter value of n");
                                                    Scanf ("1'd", &n);
                                                       for( i= 2; 12= 2 n/2; i++)
                                                         } if ( ny. i== 0).
                                                                                                                                                State of the State
                                                                                                     flag = 1;
break;
                                                                       if(flag = = 1)
                                                                                   Print f (" Net Prime");
                                                                      elle
                                                                                           Print f ("Prime");
                                                                returno.
                                             enter value of n 25
```

not prime

calculabe LCM of two number #inslude a stodio. h int main () ¿ into q, b, i; 5KT = 5 nxt. 2x2 = 4 4x2 = Printf(4 enter two number"); 2×3 = 6 4x3 = Scanf("1.d", &a, &b), 2+4=8 4x4 = for(i = 1 : i = a*b; i++) if((i·1·a==0) 8 8 (i·1·b==0)). break; Print f("LCM is:1.d", 1); return o. enter two number 1232 LCM is 96

Q.10 reverse a given number 123->32 # include Lstdlo.h> ind main() ind h, i, rem, rev=0; LC Print + ("enter a number"); scant (" 1.d", 2n); while (n!=0) } rem = n'1.10; n=n/10; rev= rev*10+ rem', Print+ (" Reverse is "1. d"), Rev); returno; And enter a number 3567

Reverse 18 7653