Assingment - 6 (1) Write a program to calculate Sum of first N nortural numbers int main() { int n.i, s= 0; printf ("+d", sn); ("enter a number"); Scanf ("/d", &n)

For ( i = 1 , i (= n , i++ ) { print ("1d", s) 2) WAP to print Sum of pirst even natural humbers int main()

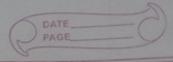
§ int n, i, S=0°; prints ("-/-d" an) ('enter anumber" Scanf ("-/d", &n)

For (i=1; i <= n; i++) { S= S+ 2xi; print ["1d", 5)} WAP to calculate Sum of pirst Nodd natural rymbers int main () int main 5) n. i, s=0; points (" t.d", In); Scanf ("./d", &h);

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For (i=1; i(=n; i++)
        S= S+2xi-1
       points (" .1.d", s);
      MAP to calculate factorial of a number
 (6)
      int main!)
      [ int n.i , Fact = 1;
        pointf ("enter value of n'n");
         Sconf (" olod", &n);
      For (i= 2; j <= n; i++)
       fact = fact xi ;
       printf ("Factorial of old is old" . n. fact);
      WAP to count digit in a given number
Ang
       int main()
       int count = 1, x;
      print [ " o [ o d" , & x ) ;
       while (x( = 0) }
       x= x/10;
       Count ++;
       printf ("total digit is . I.d" , count);
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WAP to check whether a given number is a prime number
      or not.
      int main()
Ans
      int x, i;
     paintf ("enter a number");
     Scanf (" olod", &x);
     Forl i= 2; i <= x-1; i++
      if(x \checkmark \circ i = 0)
          break;
     if(i=x)
     perint ("prime");
     else.
      peint (" not perime") ;
     pointf ("In");
(10)
    WAP to reverse a given number
     int main()
     int n. i geminder , geverse = 0;
     printf (" enter a number 14);
     Scanf (11% d", &n);
    while (n 1 = 0)
        remainder = no1.10;
       n= n/10;
reverse = reverse ×10 + remainder;
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paint ("Revense is dod", revense);
        WAP to calculate LCM of two numbers
         int main()
        3 int a, b, i ;
  Ans.
        printf (" enter two numbers \n"
        Scanf (" olod olod", &a, &b);
        For(i=1; i(= a*b; i++)
         if (i%a=0) && (i%b=0)
          break;
        pointf ("LCM is olod", i);
        Write a program to Calcutate Sum of Squres of first N Natural numbers
         # include & stdio h)
Ans
        int main ()
        int n, i, S=0;
         printf [" /d", 2n)? ("enter a number");
         Scanp ("1-d', 2n);
        For (i=1; i(=n; i++)
         8 = Stixi;
       printf ("1.d", S)
```



(5) INAP to Calculate Sum of Cubes of first n natural numb # include < stdio. h> int main() int m, i, 8 = 0; printfl' enter anumber")? Scanf ("-1.d", &n); for [i=1; i(=n; i++) S = Stixixi; print ["1.d", s);