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1. Print numbes from 1 to 10
//Print numbes from 1 to 10.
#include <stdio.h>
void main()
   int a = 1;
   while (a \le 10)
         printf("%d\n",a);
         a++;
   }
2. Print table for the given number
//Print table for the given number.
#include <stdio.h>
void main()
{
   int num, a=1, b;
   printf("Enter a number:");
   scanf("%d", &num);
   while (a \le 10)
         b= num*a;
         printf("%d\n",b);
         a++;
   }
3. Calculate sum of numbers in the given range.
#include <stdio.h>
void main()
   int a, b, sum = 0;
   printf("Enter the range of numbers:");
   scanf("%d, %d", &a, &b);
   int i;
   for(i=a; i<=b; i++)
   sum = sum + i;
   printf("The sum of numbers in a given range is %d",sum);
4. Check number is prime or not
//Check number is prime or not.
#include <stdio.h>
void main()
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int num, i=2, flag = 0;
   printf("Enter a number:");
   scanf("%d", &num);
   if (num == 0 || num == 1){
         flag = 1;
   for(i=2; i \le num/2; i++){
         if(num%i==0){
               flag = 1;
               break;
         }
   if(flag == 0){
         printf("Number is prime number");
   }else
   printf("Number is not a prime number");
5. Check number is armstrong or not
//Check number is armstrong or not?
#include <stdio.h>
void main()
   int num, count=0, temp, rem, sum=0;
   printf("Enter the number");
   scanf("%d", &num);
   for(temp = num; temp>0; temp= temp/10){
         count++;
   for(temp = num; temp>0; temp = temp/10){
         rem = temp\%10;
         int res = 1;
         int i;
         for(i=1; i \le count; i++)
               res = res*rem;
         sum = sum + res;
   if(num == sum)
         printf("Number is a armstrong number");
   }else
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printf("Not a armstrong number");
6. Check number is perfect or not
//Check number is perfect or not.
#include <stdio.h>
void main()
   int i, sum=0, num;
   printf("Enter a number:");
   scanf("%d", &num);
 int j;
for (j=1; j \le num/2; j++){
   if(num\%j==0){
         sum = sum + j;
   }
}if(sum==num){
   printf("Number is a prefect number");
}else
   printf("Number is not a perfect number");
7. Find factorial of number
//Find factorial of number.
#include <stdio.h>
void main()
   int num, fact=1;
   printf("Enter a number:");
   scanf("%d", &num);
         int i;
   for(i=num; i>0; i--){
         fact = fact * i;
   printf("The factorial of number is %d", fact);
8. Check number is strong or not.
//Check number is strong or not.
#include <stdio.h>
void main(){
   int num, temp, rem, sum = 0;
   printf("Enter a number");
   scanf("%d", &num);
for(temp = num; temp>0; temp = temp/10){
   rem = temp \%10;
   int i;
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int fact = 1;
   for(i=rem; i>0; i--){
         fact = fact * i;
   }
   sum = sum + fact;
\inf(sum == num)
         printf("Number is a strong number");
   }else
   printf("Number is not a strong number");
9. Check the given number is palindrome or not?
//Check the given number is palindrome or not?
#include <stdio.h>
void main()
   int num, rev=0, rem, temp;
   printf("Enter a number: ");
   scanf("%d", &num);
  for(temp = num; num>0; num = num/10){
   rem = num\%10;
   rev = rev*10+rem;
   }
   if(rev == temp)
         printf("Number is a palindrome");
   }else
   printf("Number is not a palindrome");
10.Add the (first and last) digit of a given number
//Add the (first and last) digit of a given number.
#include <stdio.h>
void main()
   int num, rem, sum;
   printf("Enter a number");
   scanf("%d", &num);
         rem = num\%10;
         int temp = num;
         while(temp>=10){
               temp = temp/10;
   }
         sum = rem + temp;
   printf("The sum of first and last digit of the number is: %d", sum);
```