

① Program to check strong number?

Ans:- #include <stdio.h>

int main()

{

int num, temp, rem, factorial, i, sum = 0

printf("enter a number:");

scanf("%d", &num);

temp = num;

while (temp > 0)

{

rem = temp % 10;

factorial = 1;

for(i=1; i <= rem; i++)

{

factorial * = i;

}

sum + = factorial;

temp / = 10;

}

if (sum == num)

printf("%d is a strong number", num);

else

printf("%d is not a strong number", num);

return 0;

}

output:-

Enter a number : 145

145 is a strong number.

② program to check perfect number?

Ans:- #include <stdio.h>
#include <conio.h>

int main()

{

int num, i, sum = 0;

printf("Enter a number: ");

scanf("%d", &num);

for(i = 1; i < num; i++) {

if (num % i == 0)

{

sum += i;

}

}

if (sum == num)

printf("%d is a perfect number", num);

else

printf("%d is not a perfect number", num);

return 0;

output:-

Enter a number : 28

28 is a perfect number.