## National Institute of Technology, Patna



## EE lab CSL (2601)

## Assignment no - 6

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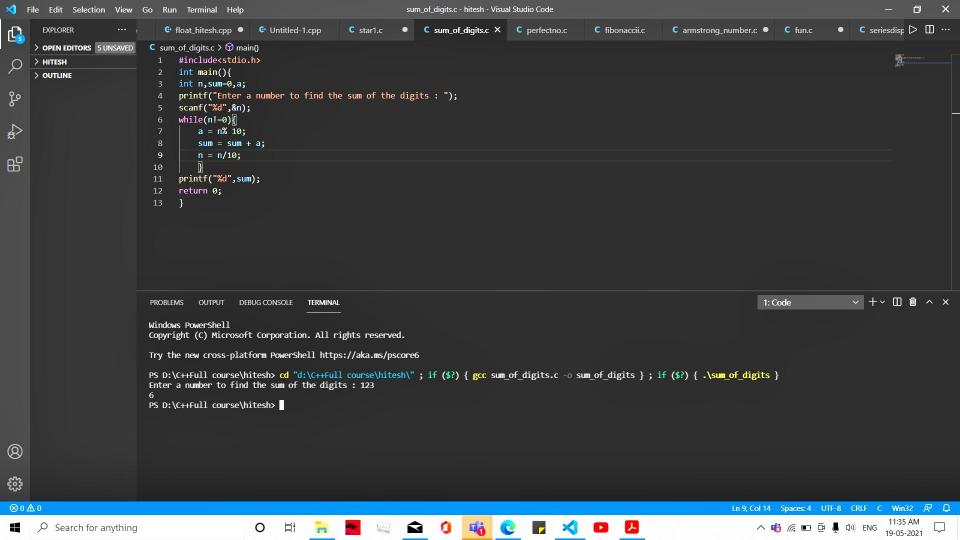
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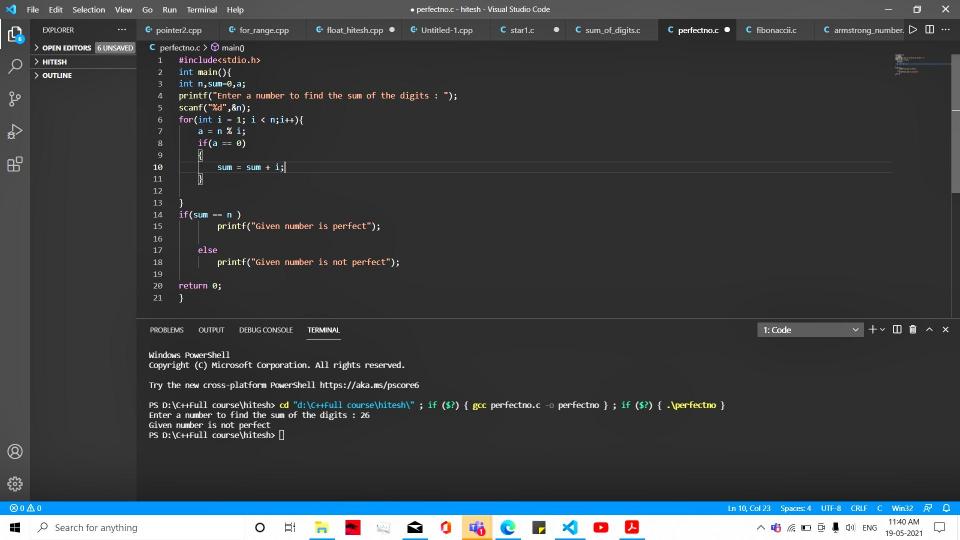
Class: BTECH EE

Instructor: Dr. Neha Mam

1. Write a program to find the sum of digits
of an inputed number. # include (stdio.h> int main () f int m, svm=0, a; Printf (" Enter a number to Find the sum of the digits: "); Scanf (" ", d", & n); While (n 1=0) { a = n % 10; sum = sum + a; n = n/10; Print + ( " % d ) , Sum ); geturn o;



```
2. Worte a program to check whether a given number
    is perfect number or not.
         #include <stdio-h>
          int main () 9
         int m, sum=0, a;
         Printf (" Enter a number to find out whether the number is perfect or not"); Scanf ("% d", to n);
        for (int i=1; i<n; i++) q
          a = n\%i,
cif(a = = 0)
         Sum = Sum + 1;
     if (sum == m)
        Print f 1 " Given number is perfect!);
       plse
            Printf ("Gilven number is not perfect");
        neturn o;
```



3. Worte a program to check whether a given number is armstrong or not.

Hinclude <stdio. h> int main () f int n, sum = 0, a, m;

Printfl" Enter a number to find if it is armstrong or scanf ("%d", vn);

m = n;

while (n!=0) of

a= n% 10;

sum = sum + (a\*a\*a);

n=n/10;

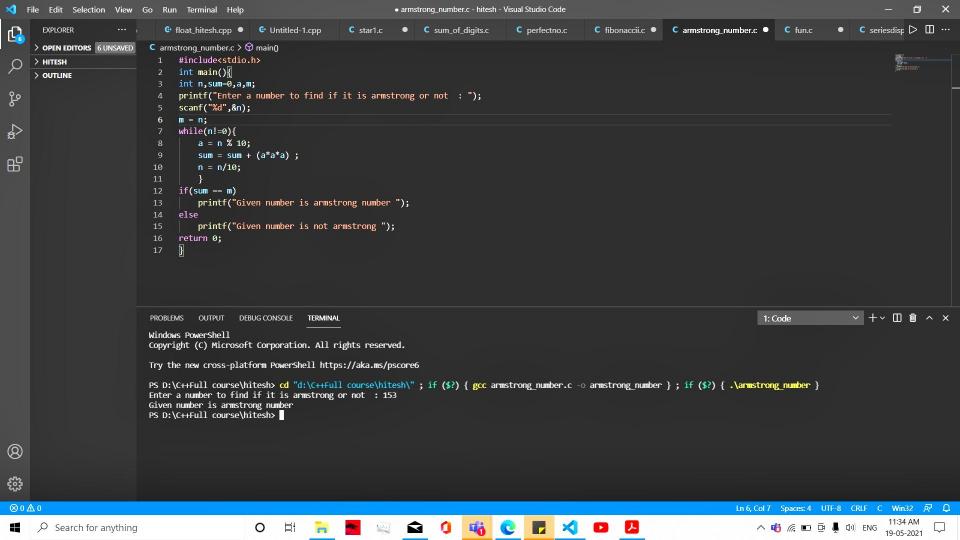
4f (sum == m)

Print f ("Given number is armstrong number");

E15e

Prints ("Given number is not armstrong no.");

return 0%



4. Noîte a program to print febonació serses foil

#include (stdfo.h>
int main () &

int n, sum = 0, t1=0, t2=1, m;

Printf ("Enter the no-ex digits upto which you want fibonacii :");
Scanf ("%d", on);

m=n-2;

Phinof ("Fibonacii series \n%d \n%d \n%d \n", t1, t2);

Sum = f1+t2;

for (int i=1; i <= m; i+1) {

Print f ("%d \n", sum);

 $t_1 = t_2;$   $t_2 = sum;$ 

sum = tittz;

Jah von

hetvon 0;

y

