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COURSE – BCA

SESSION – 2022 – 25

ASSIGNMENT – assignment for CET1 student

14 NOV 2022 (digit sum)

DATE OF ASSIGNMENT – 14 NOV 2022

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```c
/* Write a program to find the sum of even and odd digits of
a number separately.
Suppose the number is 12346
The output will be:
Even Digit Sum: 2+4+6=12
Odd Digit Sum: 1+3=4 */

#include <stdio.h>
int main(void)
{
    int n,odd_sum,even_sum,r;
    odd_sum = 0;
    even_sum = 0;
    printf("enter number \n");
    scanf("%d",&n);
    while(n!=0)
    {
        r = n%10;
        if(r%2 == 0)
        {
            even_sum = even_sum+r;
        }
        else
        {
            odd_sum = odd_sum + r;
        }
        n = n/10;
    }
    printf("sum of digits(even by value) = %d \n",even_sum);
    printf("sum of digits(odd by value) = %d \n",odd_sum);
return 0;
}
```
Output -

```
cc      digit.c    -o digit
~/Desktop/codes $ ./digit
enter number
12346
sum of digits(even by value) = 12
sum of digits(odd by value) = 4
```