**C-lab-2**

**1)Write a C program to calculate and print the area of a square and rectangle.**

**INPUT:**

Side of square is : 5

Length and breadth of rectanngle is : 4 , 5

**ANS:-**

// Online C compiler to run C program online

#include <stdio.h>

int main() {

int s,l,b,as,ar;

{

printf("Enter the side of a square:");

scanf("%d",&s);

as=s\*s;

printf("Area of the square is;%d\n",as);

}

{

printf("Enter the length:\n");

scanf("%d",&l);

printf("Enter the breadth:\n");

scanf("%d",&b);

ar=l\*b;

printf("Area of the rectangle is:%d",ar);

return 0;

}

}

**2)Write a c program to find the next multiple of 10 of a given two digit number**

**INPUT:**

input :- 56

output :-60

**ANS:-**

#include<stdio.h>

void main()

{

int num,ld,av,res;

printf("Enter number:");

scanf("%d",&num);

ld=num%10;

av=10-ld;

res=num+av;

printf("Next multiple of 10 is:%d",res);

}

**3)Write a c program to find the previous multiple of 10 of a given two digit number**

**INPUT:**

input :- 56

output :-50

**ANS:-**

#include <stdio.h>

int main() {

int num,ld,res;

printf("Enter number:");

scanf("%d",&num);

ld=num%10;

res=num-ld;

printf("Previous multiple of 10 is:%d",res);

return 0;

}

**4)Write a c program to find the next multiple of 10 of a given two digit number, if the given number's last digit is less than 5 then .find the previous multiple of 10 and if the given number's last digit is greater than or equal to 5 then find the next multiple of 10.**

**[Dont use if else or ternary operator ]**

**ANS:**

// Online C compiler to run C program online

#include <stdio.h>

int main() {

int n,ls,av,res;

printf("Enter the number:");

scanf("%d",&n);

av=(n%10)/5;

printf("%d",((n/10)+av)\*10);

return 0;

}

**======================================**

**Write a C program to reverse 3 digit number without using any loops. Given number is 786 and expected output is 687.**

**ANS:-**

#include <stdio.h>

int main() {

int num,d1,d2,d3,d4;

printf("Enter the number:");

scanf("%d",&num);

d1=num%10;

d2=num/10;

d3=d2%10;

d4=d2/10;

printf("%d%d%d",d1,d3,d4);

return 0;

}

**5)Write a c program to take input of 3 digit number from the user , and add the 1st digit and last digit of that given number.**

**Input as :**

**Enter a three digit number :345**

**Output as :**

**The addition of first and last digit of the given num is : 8**

**ANS:-**

#include <stdio.h>

int main() {

int num,ld,fd1,fd2,sum;

printf("Enter a three digit number:");

scanf("%d",&num);

ld=num%10;

fd1=num/10;

fd2=fd1/10;

sum=fd2+ld;

printf("The addition of first and last digit of the given num is:%d",sum);

return 0;

}