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Assignment 2

\*\*Opetaraters In C Language\*\*

Q.1 Write a program to print unit digit of a given number

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n;

printf("Enter Any Number\n");

scanf("%d",&n);

n=n%10;

printf("The Unit Digit is %d ",n);

getch();

}

Q.2 Write a program to print a given number without its last digit.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n;

printf("Enter Any Number\n");

scanf("%d",&n);

n=n/10;

printf("The Unit Digit is %d ",n);

getch();

}

Q.3 Write a program to swap values of two int variables.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int a=10,b=20;

printf("Before Swapping \n A=%d \n A=%d",a,b);

a=a+b;

b=a-b;

a=a-b;

printf("\n\nAfter Swapping \n A=%d \n b=%d ",a,b);

getch();

}

Q.4 Write a program to swap values of two int variables without using a third variable.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int a=10,b=20;

printf("Before swapping \n A=%d \n B=%d",a,b);

a=a+b;

b=a-b;

a=a-b;

printf("\n\nAfter Swapping \n A=%d \n B=%d",a,b)

getch();

}

Q.5 Write a program to input a three-digit number and display the sum of the digits.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n,last,middle,first,sum;

printf("Enter Three Digit Number\n");

scanf("%d",&n);

first=n/100;

middle=n%100;

middle=middle/10;

last=n%10;

sum=first+middle+last;

printf("Sum of Three Digit Numbers Are %d",sum);

getch();

}

Q.6. Write a program which takes a character as an input and displays its ASCII code.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

char a;

printf("Input A Enter Character\n");

scanf("%c",&a);

printf("ASCII Code Is %d",a);

getch();

}

Q.7. Write a program to find the position of first 1 in LSB.

Ans: \*\*\*\*Not Solve\*\*\*\*

Q.8. Write a program to check whether the given number is even or odd using a bitwise operator.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n;

printf("Enter A Number");

scanf("%d",&n);

if(n&1==1)

printf("Odd NUmber");

else

printf("Even Number");

getch();

}

Q.9.Write a program to print size of an int, a float, a char and a double type variable

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int a;

char b;

float c;

double d;

printf("\* Size Of int Data Type Is %d\n

\* Size Of Char Data Type is %d\n

\* Size of floar Data Type Is %d\n

\* Size of double Data Type is %d",sizeof(a),sizeof(b),sizeof(c),sizeof(d));

getch();

}

Q.10.Write a program to make the last digit of a number stored in a variable as zero.

(Example - if x=2345 then make it x=2340)

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n;

printf("Enter A Number");

scanf("%d",&n);

n=n/10;

n=n\*10;

printf("Result is %d",n);

getch();

}

Q.11.Write a program to input a number from the user and also input a digit. Append a digit in the number and print the resulting number.

(Example - number=234 and digit=9 then the resulting number is 2349)

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int number,digit;

printf("Enter A Number\n");

scanf("%d",&number);

printf("Enter A Digit\n");

scanf("%d",&digit);

number=number\*10;

number=number+digit;

printf("Result is %d",number);

getch();

}

Q.12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and convert it into USD.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

float inr,usd=76.23;

printf("Enter A Number");

scanf("%f",&inr);

usd=inr/usd;

printf("%f INR Is Equal To %f USD",inr,usd);

getch();

}

Q.13. Write a program to take a three-digit number from the user

and rotate its digits by one position towards the right.

Ans:

#include<stdio.h>

#include<conio.h>

main()

{

int n,first,middle,last,sum,one,two,three;

printf("Enter A Number");

scanf("%d",&n);

first=n/100;

middle=n/10;;

middle=middle%10;

last=n%10;

one=(first\*0+last);

two=(middle\*0+first);

three=(last\*0+middle);

printf("%d%d%d",one,two,three);

getch();

}