Q1-> Write a program to print unit digit of a given number

Answer:

#include<stdio.h>

int main()

{

int a;

printf("Enter a number: ");

scanf("%d",&a);

printf("The unit number is: %d",a%10);

return 0;

}

Q2-> Write a program to print a given number without its last digit.

Answer:

#include<stdio.h>

int main()

{

int a;

printf("Enter a number: ");

scanf("%d",&a);

printf("The number except unit number is: %d",(a-a%10)/10);

return 0;

}

Q3-> Write a program to swap values of two int variables

Answer:

#include<stdio.h>

int main()

{

int FirstVariable, SecondVariable, ThirdVariable;

printf("Enter the first variable: ");

scanf("%d",&FirstVariable);

printf("Enter the second variable: ");

scanf("%d",&SecondVariable);

ThirdVariable=SecondVariable;

SecondVariable=FirstVariable;

FirstVariable=ThirdVariable;

printf("The first variable is %d & the second variable is %d",FirstVariable,SecondVariable);

return 0;

}

Q4-> Write a program to swap values of two int variables without using a third variable.

#include<stdio.h>

int main()

{

int FirstVariable, SecondVariable;

printf("Enter the first variable: ");

scanf("%d",&FirstVariable);

printf("Enter the second variable: ");

scanf("%d",&SecondVariable);

FirstVariable=FirstVariable+SecondVariable;

SecondVariable=FirstVariable-SecondVariable;

FirstVariable=FirstVariable-SecondVariable;

printf("The first variable is %d & the second variable is %d",FirstVariable,SecondVariable);

return 0;

}

Q5-> Write a program to input a three-digit number and display the sum of the digits.

Answer:

#include<stdio.h>

int main()

{

int a, FirstDigit, SecondDigit, ThirdDIgit;

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

scanf("%d",&a);

FirstDigit=a/100;

a=a-FirstDigit\*100;

SecondDigit=a/10;

ThirdDIgit=a%10;

printf("Sum of three digit is %d",FirstDigit+SecondDigit+ThirdDIgit);

return 0;

}

Q6->Write a program which takes a character as an input and displays its ASCII code.

Answer:

#include<stdio.h>

int main()

{

char a;

printf("Enter a character: ");

scanf("%c",&a);

printf("ASCII code of the entered character %c is: %d",a,a);

return 0;

}

Q8-> Write a program to check whether the given number is even or odd using a bitwise

operator.

Answer:

#include<stdio.h>

int main()

{

int a,b;

printf("Enter a number: ");

scanf("%d",&a);

b=a&1;

if(b==1)

    {

        printf("This number %d is odd number",a);

    }

else

    {

         printf("This number %d is even number",a);

    }

return 0;

}

Q9-> Write a program to print size of an int, a float, a char and a double type variable

Answer:

#include<stdio.h>

int main()

{

int a;

float b;

double c;

char d;

a=sizeof(a);

printf("The size of int variable: %d",a);

a=sizeof(b);

printf("\nThe size of float variable: %d",a);

a=sizeof(c);

printf("\nThe size of double variable: %d",a);

a=sizeof(d);

printf("\nThe size of char variable: %d",a);

return 0;

}

Q10-> Write a program to make the last digit of a number stored in a variable as zero.

Answer:

#include<stdio.h>

int main()

{

int x;

printf("Enter the Number: ");

scanf("%d",&x);

x=x-(x%10);

printf("The variable is: %d",x);

return 0;

}

Q11-> 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.

Answer:

#include<stdio.h>

int main()

{

int Number,digit,result;

printf("Enter the Number: ");

scanf("%d",&Number);

printf("Enter the digit: ");

scanf("%d",&digit);

result=(Number\*10)+digit;

printf("The result is %d",result);

return 0;

}

Q12-> Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and convert it into USD.

Answer:

#include<stdio.h>

int main()

{

double INR, USD;

printf("Enter the indian rupees to convert into USD: ");

scanf("%lf",&INR);

USD=INR/76.23;

printf("%lf INR = %lf USD",INR,USD);

return 0;

}

Q13-> Write a program to take a three-digit number from the user and rotate its digits by one position towards the right.

Answer:

#include<stdio.h>

int main()

{

int a,b;

printf("ENter a three digit Number: ");

scanf("%d",&a);

b=a%10\*100;

a=a/10;

a=a+b;

printf("The number is %d",a);

return 0;

}