**Assignment-2.c programming**

**Operators in C Language**

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

#include<stdio.h>

int main()

{

    int a;

    printf("enetr a no");

    scanf("%d",&a);

    printf("enter the usni dgit of given no%d and %d",a,a%10);

    return 0;

}

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

#include<stdio.h>

int main()

{

    int a;

    printf("enter the no");

    scanf("%d",&a);

    printf("enter the no withauth last digt %d and %d",a,a/10);

    return 0;

}

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

#include<stdio.h>

int main()

{

    int x,y,temp;

    printf("enter the no");

    scanf("%d %d",&x,&y);

    temp=x;

    x=y;

    y=temp;

printf("enetr a swap programme %d=x and %d=y", x,y);

return 0;

}

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

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

#include<stdio.h>

int main()

{

    int a,b;

    printf("enter a two no for using swaping");

    scanf("%d %d",&a,&b);

    a=a+b;

    b=a-b;

    a=a-b;

printf("enter the swaping withauth third int varible a=%d nad b=%d",a,b);

return 0;

}

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

#include<stdio.h>

int main()

{

    int x=568;

    int rem=0,sum=0;

    rem= x%10;

    x=x/10;

    sum=rem+sum;

    rem= x%10;

    x=x/10;

    sum=rem+sum;

    rem= x%10;

    x=x/10;

    sum=rem+sum;

printf("%d",sum);

return 0;

}

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

// #include<stdio.h>

// int main()

// {

//     char a='A';

//     printf("enter a ascii code is %d",a);

//     return 0;

// }

#include<stdio.h>

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

#include<stdio.h>

int main()

{

    char a='A';

    printf("enter a ascii code is %d",a);

    return 0;

}

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

int main()

{

    char c;

    printf("enetr a charcter");

    scanf("%c \n",&c);

    printf("enter the ascii code unit digit %c= %d",c,c);

    return 0;

}

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

// // operator.

#include<stdio.h>

int main()

{

    int num;

  printf("enetr a no");

  scanf("%d",&num);

  if(num&1==1)

  {

    printf("odd number %d",num);

  }

  else{

  printf("even no %d",num);

  }

  return 0;

}

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

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

#include<stdio.h>

int main()

{

    int a;

    char b;

    float c;

    double d;

    printf("size of the  int varibale %d\n",sizeof(a));

     printf("size of the char varibale %d\n",sizeof(b));

     printf("size of the float varibale %d\n",sizeof(c));

     printf("size of the double varibale %ld\n",sizeof(d));

     return 0;

/  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)

// #include<stdio.h>

// int main()

// {

//     int x=2345;

//     x/=10;

//     x\*=10;

//     printf("%d",x);

//     return 0;

// }

/  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)

#include<stdio.h>

int main()

{

    int x;

    printf("enetr a unit digit of no");

    scanf("%d",&x);

    x/=10;

    x\*=10;

    printf("enter the unit digit no to conver last 0 no %d",x);

    return 0;

}

// 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)

// 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)

#include<stdio.h>

int main()

{

    int a,b, c;

    printf("eneter a number");

    scanf("%d",&a);

    printf("enetr a no");

    scanf("%d",&b);

   c=a\*10 +b;

   printf("input will come resulting number %d",c);

   return 0;

    }

// 12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and

// convert it into USD.

#include<stdio.h>

int main()

{

    float a=76.23;

    int b;

    float c;

    printf("enter a indian rupees");

    scanf("%d",&b);

    c=a\*b;

    printf("conver indian ruppes to usd %f",c);

    return 0;

}

// 13. Write a program to take a three-digit number from the user and rotate its digits by

// one position towards the right.

#include<stdio.h>

int main()

{

    int x, y, r;

    printf("enter a number");

    scanf("%d",&x);

    while(x!=0)

    {

        r=x%10;

        y=y\*10+r;

        x=x/10;

        printf("reverse no%d",y);

    }

    return 0;

}