***Assignment-2***

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

Ans-#include <stdio.h>

int main()

{

int a,re;

printf("Enter a number: ");

scanf("%d",&a);

re=a%10;

printf("%d is the unit digit of the number",re);

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int a;

printf("Enter a number: ");

scanf("%d",&a);

a=a/10;

printf("%d ",a);

return 0;

}

1. Write a program to swap values of two int variables

Ans-#include <stdio.h>

int main()

{

int a,b,temp;

printf("Enter two number: ");

scanf("%d%d",&a,&b);

temp=a;

a=b;

b=temp;

printf("a=%d b=%d",a,b);

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int a,b;

printf("Enter two number: ");

scanf("%d%d",&a,&b);

a=a+b;

b=a-b;

a=a-b;

printf("a=%d b=%d",a,b);

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

int a,b,re,sum=0,i;

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

scanf("%d",&a);

b=a;

for(i=1;i<=3;i++)

{

re=a%10;

sum=sum+re;

a=a/10;

}

printf("Sum of digits is %d",sum);

return 0;

}

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

Ans-#include <stdio.h>

int main()

{

char a;

printf("Enter a character: ");

scanf("%c",&a);

printf("ASCII code of %c is %d",a,a);

return 0;

}

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

Ans- #include <stdio.h>

int main()

{

int a;

printf("Enter a number: ");

scanf("%d",&a);

if(a&1)

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

else

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

return 0;

}

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

Ans- #include<stdio.h>

int main()

{

int a;

char b;

float c;

double d;

printf("\n size of integer=%d",sizeof(a));

printf("\n size of character=%d",sizeof(b));

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

printf("\n size of double=%d",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)

Ans- #include<stdio.h>

int main()

{

int a;

printf("enter a number: ");

scanf("%d",&a);

a=a/10;

a=a\*10;

printf("%d",a);

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)

Ans- #include<stdio.h>

int main()

{

int a,b;

printf("enter two number: ");

scanf("%d%d",&a,&b);

a=a\*10+b;

printf("%d",a);

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.

Ans- #include<stdio.h>

int main()

{

float a;

printf("enter rupees in IND: ");

scanf("%f",&a);

printf("%f is in USD",a\*76.23);

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.

Ans- #include<stdio.h>

int main()

{

int a,re;

printf("enter a three digits number: ");

scanf("%d",&a);

re=a%10;

a=a/10;

a=re\*100+a;

printf("%d",a);

return 0;

}