**Assignment 2 on A job ready bootcamp in c++, DSA and IOT**

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

#include<stdio.h>

int main()

{

int a;

printf("Enter a number\n");

scanf("%d",&a);

printf("%d",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 a number\n");

scanf("%d",&a);

printf("%d",a/10);

return 0;

}

3. Write a program to swap values of two int variables/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 two digits in 'x,y' format \n");

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

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

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 a,b,c,e,num;

printf("Enter a Three digit Number\n");

scanf("%d",&num);

a=num/100,b=(num-a\*100)/10,c=num%10,e=a+b+c;

printf("Sum of the three digit is equal to %d",e);

return 0;

}

6. Write a program which takes a character as an input and displays its ASCII code #include<stdio.h>

int main()

{

float a;

printf("Enter a Character\n");

scanf("%f",&a);

printf("%c",a);

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 a;

printf("Enter an integer\n");

scanf("%d",&a);

if ( a & 1 == 1 )

printf("Odd\n");

else

printf("Even\n");

return 0;

}

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,b,c,d;

a=sizeof(int);

b=sizeof(char);

c=sizeof(float);

d=sizeof(double);

printf("Size of int %d, char %d, float %d and double %d \n",a,b,c,d);

return 0;

}

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

#include<stdio.h>

int main()

{

int a,b,num;

printf("Enter a Number\n");

scanf("%d",&num);

a=num%10,b=num-a;

printf("%d",b);

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. #include<stdio.h>

int main()

{

int a,b;

printf("Enter a number and a digit \n");

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

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

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,b;

printf("Enter a ammount i.e. INR \n");

scanf("%f",&a);

printf("%f INR is equal to %f USD\n",a,b=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.

#include<stdio.h>

int main()

{

int a,b,c,num;

printf("Enter a Three digit Number\n");

scanf("%d",&num);

a=num/100,b=(num-a\*100)/10,c=num%10;

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

return 0;

}