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Branch:- Cyber security (13)

Batch :-   CS 32

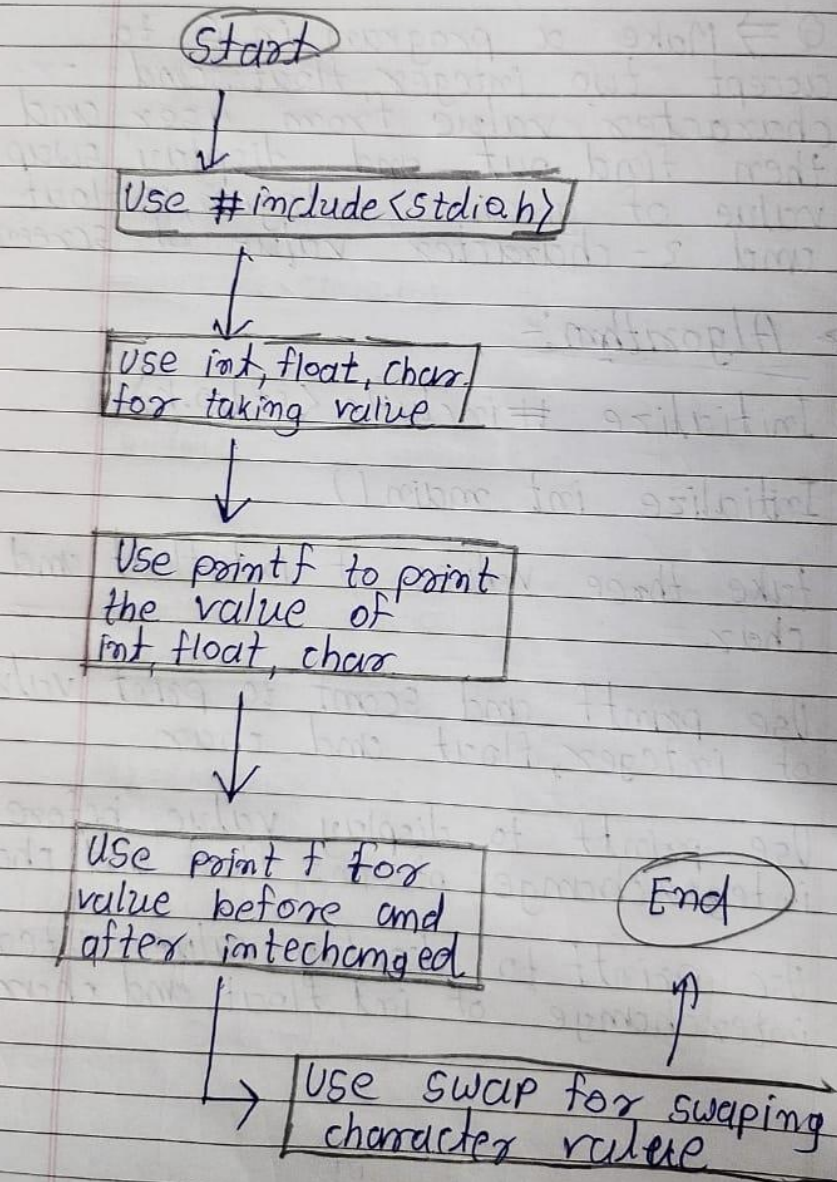# Practical-3

Practical - 3 :-

Q ⇒ Make a program in C, to accept two integer, float, and character value from user, and then find out, and display swap value of given 2-integer, 2-float and 2-character value of screen.

Algorithm:-

1) Initialize #include <stdio.h>

2) Initialize int main ()

3) take three values of int, float and char.

4) Use printf and scanf to print value of integer, float and char.

5) Use printf to display value before interchange of int, float and char.

6) Use printf to display value after interchange of int, float and char.

⇒ flowchart:-

```
                  ┌─────────┐
                  │  Start  │
                  └────┬────┘
                       │
                       ▼
     ┌──────────────────────────────┐
     │ Use #include <stdio.h>       │
     └───────────┬──────────────────┘
                 │
                 ▼
     ┌──────────────────────────────┐
     │ Use int, float, char.        │
     │ for taking value             │
     └───────────┬──────────────────┘
                 │
                 ▼
     ┌──────────────────────────────┐
     │ Use printf to print          │
     │ the value of                 │
     │ int, float, char             │
     └───────────┬──────────────────┘
                 │
                 ▼
     ┌──────────────────────────────┐            ┌─────────┐
     │ Use printf for               │            │  End    │
     │ value before and             │            └─────────┘
     │ after intechanged            │                 ▲
     └───────────┬──────────────────┘                 │
                 │                                     │
                 └──────────┐          ┌───────────────────────────────┐
                            └─────────▶│ Use swap for swaping          │
                                       │ character value               │
                                       └───────────────────────────────┘
```

Code:-

```c
#include<stdio.h>
int main()
{
int a,b,c;
float A,B,C;
char g,h,i;

printf("Enter the value of a and b:");
scanf("%d%d",&a,&b);
printf("Enter the value of a and b:");
scanf("%f%f",&A,&B);
printf("Enter the value of g and h:");
scanf("%*c%c%*c%c",&g,&h);

printf("value before interchanged a and b: %d,%d \n",a,b);
c=a;
a=b;
b=c;
printf("value after interchange: %d,%d \n",a,b);




printf("value before interchanged a and b: %f,%f \n",A,B);
C=A;
```

```c
    A=B;

    B=C;

    printf("value after interchange: %f,%f \n",A,B);



    printf("Valvue before swaping %c,%c",g,h);

    i=g;

    g=h;

    h=i;

    printf("value after swaping %c,%c",g,h);



    return 0;
}
```
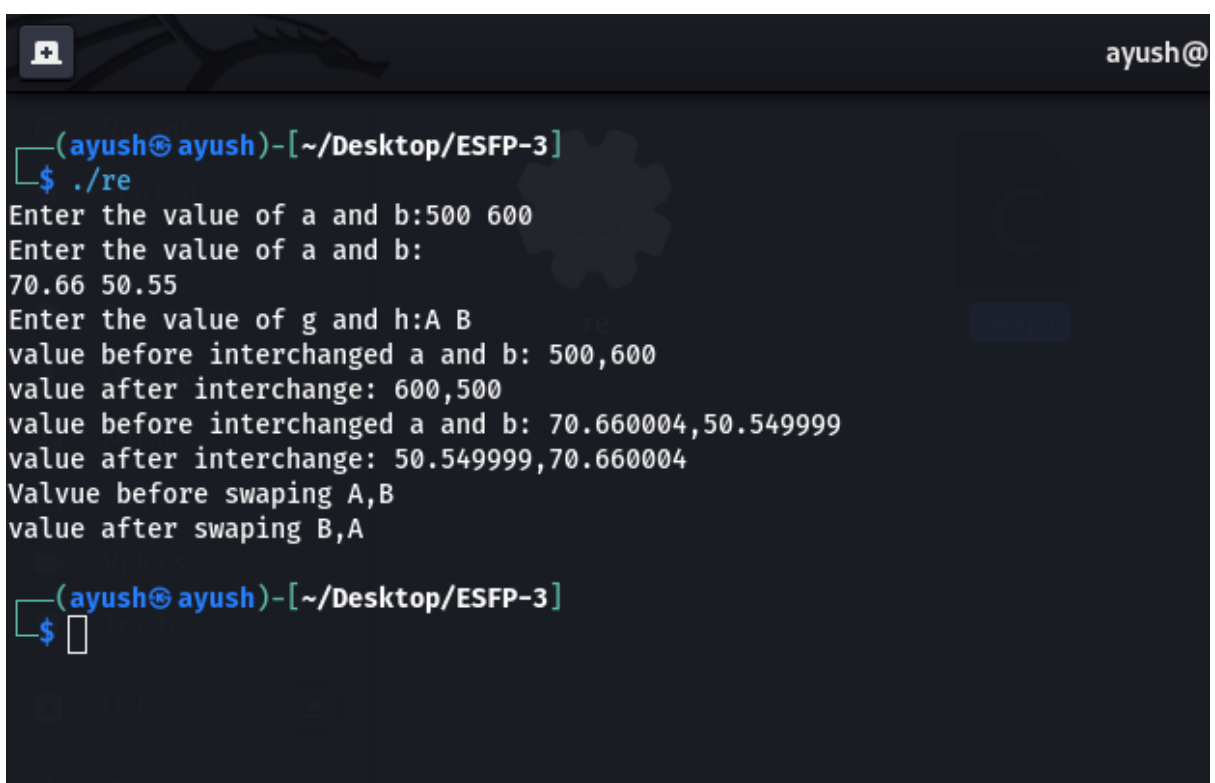
Output:-