

Name:- Patel Ayush Padminkumar

Branch:- Cyber security (13)

Batch :- CS 32

Practical-3

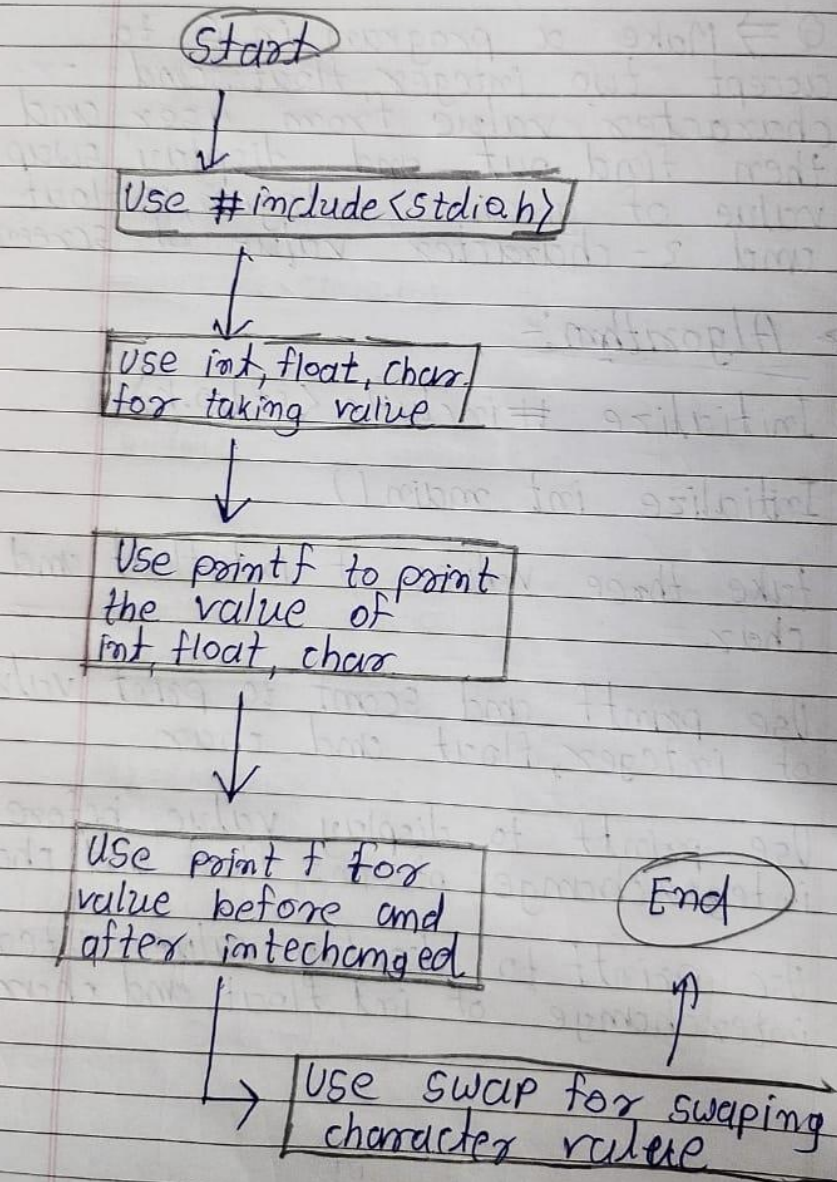
★ Practical - 3 :-

⇒ 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:-



Code:-

```
#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;
```

```
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;
```

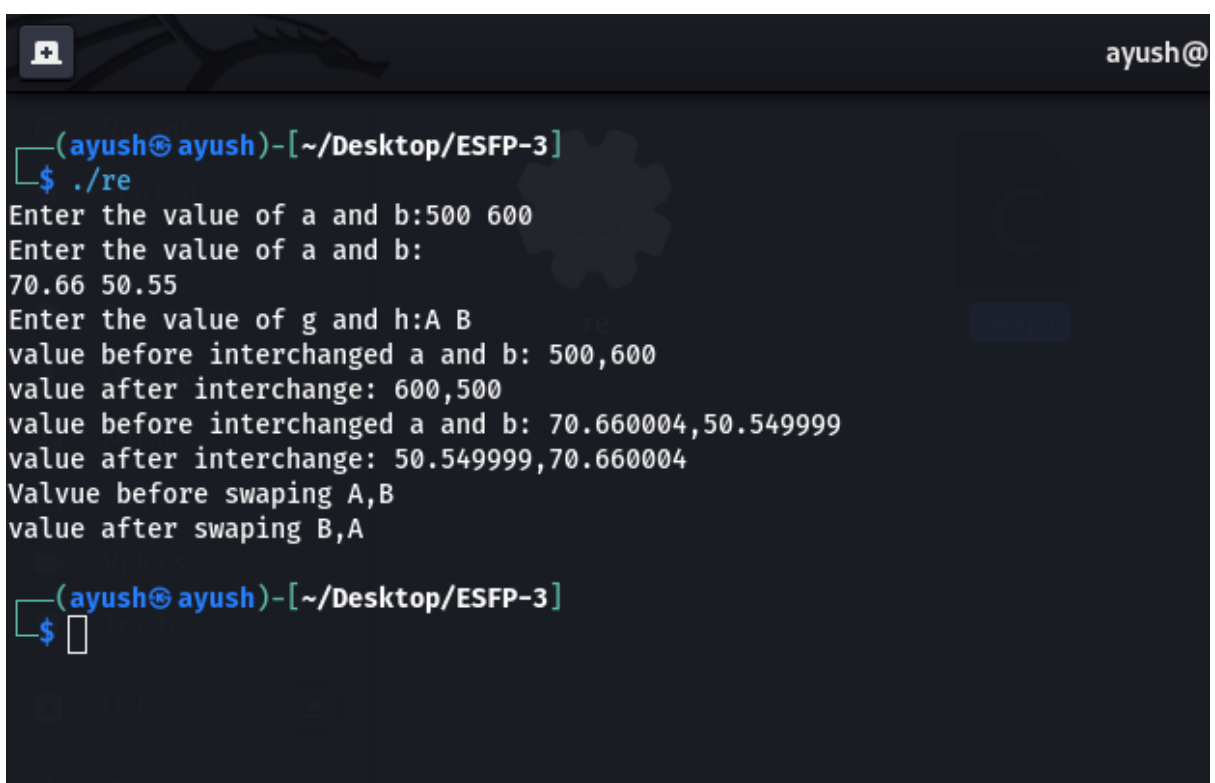
```
h=i;
```

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

```
return 0;
```

```
}
```

Output:-

A terminal window with a dark background and light text. The title bar shows a window icon and the text 'ayush@'. The prompt is '(ayush@ ayush)-[~/Desktop/ESFP-3]'. The user enters './re'. The program prompts for 'a' and 'b' with the value '500 600', then for 'g' and 'h' with the value 'A B'. It prints 'value before interchanged a and b: 500,600', 'value after interchange: 600,500', 'value before interchanged a and b: 70.660004,50.549999', 'value after interchange: 50.549999,70.660004', 'Valvue before swaping A,B', and 'value after swaping B,A'. The prompt is '(ayush@ ayush)-[~/Desktop/ESFP-3]' and the user enters a blank line.

```
(ayush@ ayush)-[~/Desktop/ESFP-3]  
$ ./re  
Enter the value of a and b:500 600  
Enter the value of a and b:  
70.66 50.55  
Enter the value of g and h:A B  
value before interchanged a and b: 500,600  
value after interchange: 600,500  
value before interchanged a and b: 70.660004,50.549999  
value after interchange: 50.549999,70.660004  
Valvue before swaping A,B  
value after swaping B,A  
  
(ayush@ ayush)-[~/Desktop/ESFP-3]  
$
```