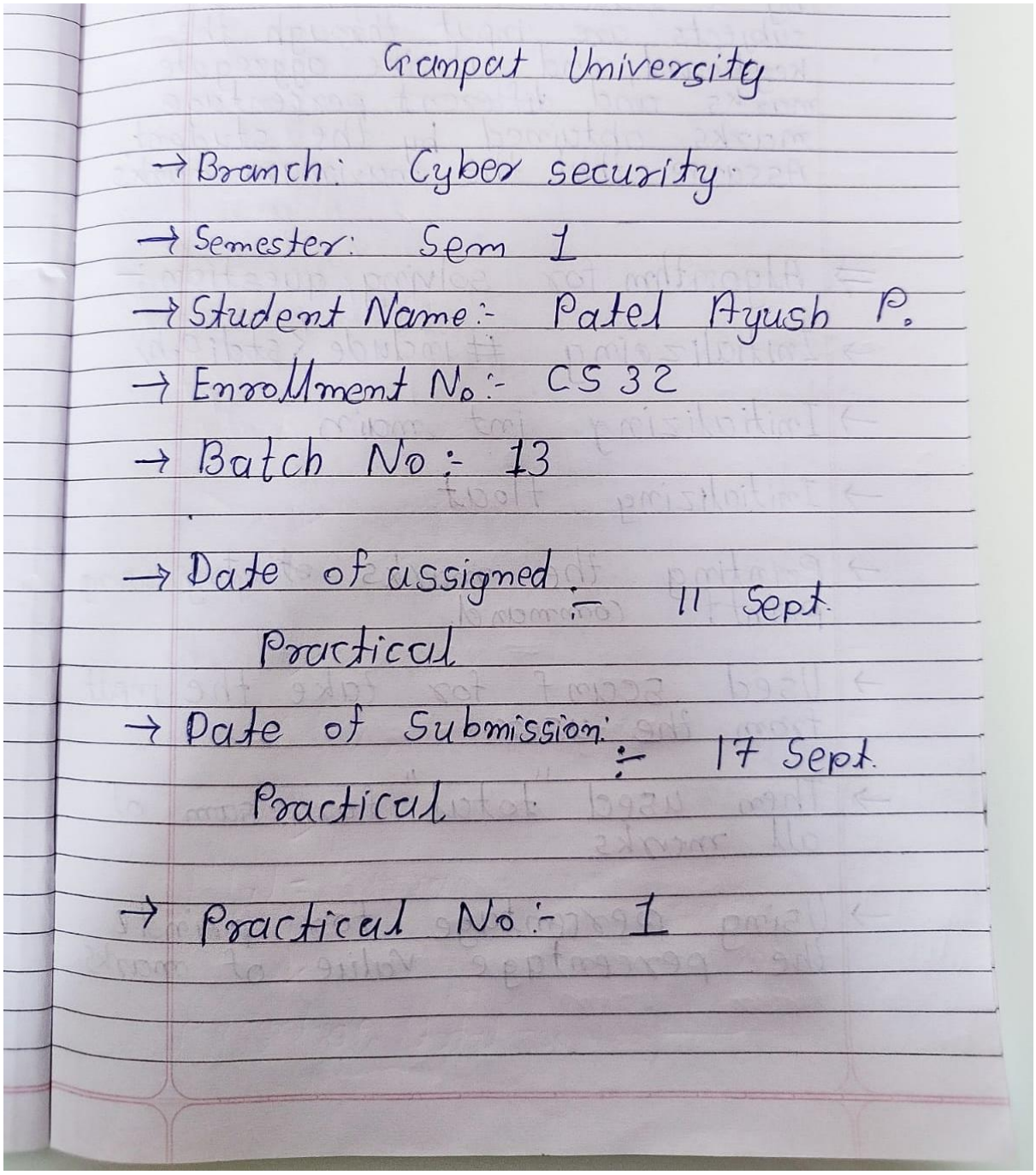
Name: Patel Ayush Padminkumar

Batch:- Cyber Security (13)

Enrollment :- CS 32


Ganpat University

→ Branch: Cyber security

→ Semester: Sem 1

→ Student Name:- Patel Ayush P.

→ Enrollment No:- CS 32

→ Batch No:- 13

→ Date of assigned :- 11 Sept.
Practical

→ Date of Submission :- 17 Sept.
Practical

→ Practical No:- 1

Q1→ In a school, if the marks obtained by a student in five different subjects are input through the keyboard, find out the aggregate marks and different percentage marks obtained by the student. Assume that the maximum marks

⇒ Algorithm for solving question :-

→ Initializeing #include <stdio.h>

→ Initializing int main

→ Initializing float

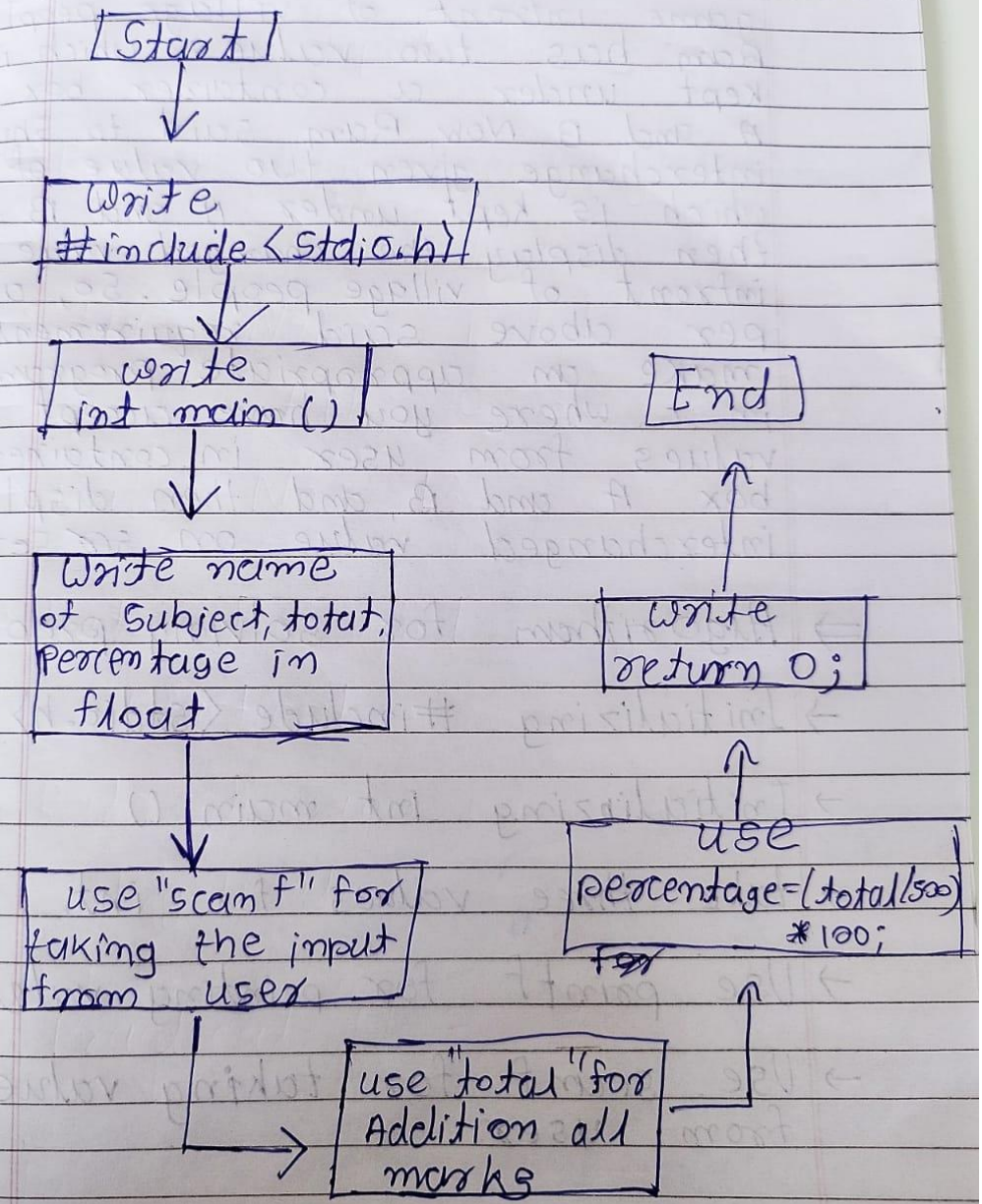
→ Printing the marks of by using printf command.

→ Used scanf for take the input from the user.

→ Then used "total" for sum of all marks.

→ Using percentage for printe the percentage value of marks

⇒ flowchart :-


Start
Write #include<stdio.h>
write int main()
Write name of subject, total, percentage in float
use "scanf" for taking the input from user
use "total" for Addition all marks
use percentage=(total/500) *100;
write return 0;
End

Code:-

```
#include<stdio.h>

int main()
{
float eng,phy,chem,math,comp,total,percentage;
printf("Enter the marks of 5 subject \n");
scanf("%f%f%f%f%f",&eng,&phy,&chem,&math,&comp);
total=eng+phy+chem+math+comp;

percentage=(total/500)*100;
printf("\nTotal=%f",total);

printf("\nPercentage=%f",percentage);
return 0;
}
```

Output:-

```
┌──(ayush㉿ayush)-[~/Desktop]
└─$ ./ESFP-1

┌──(ayush㉿ayush)-[~/Desktop/ESFP-1]
└─$ ./f1
Enter the marks of 5 subject
45
50
55
60
65

Total=275.000000
Percentage=55.000000

┌──(ayush㉿ayush)-[~/Desktop/ESFP-1]
└─$
```

Q-2 In a village, Ram and Shyam are friends, and they are playing game infront of village people. Ram has two values which is kept under a container box A and B. Now, Ram said to Shyam interchange given two value of which is kept under A and B and then display the changed value infront of village people. So, as per above said requirement, make an appropriate program in c, where you have accept two values from user in container box A and B, and then display interchanged value on ~~scr~~ screen.

⇒ Algorithm for solving problem.

→ Initializing #include <stdio.h>

→ Initializing int main ()

→ take three values for int.

→ Use printf for printing value

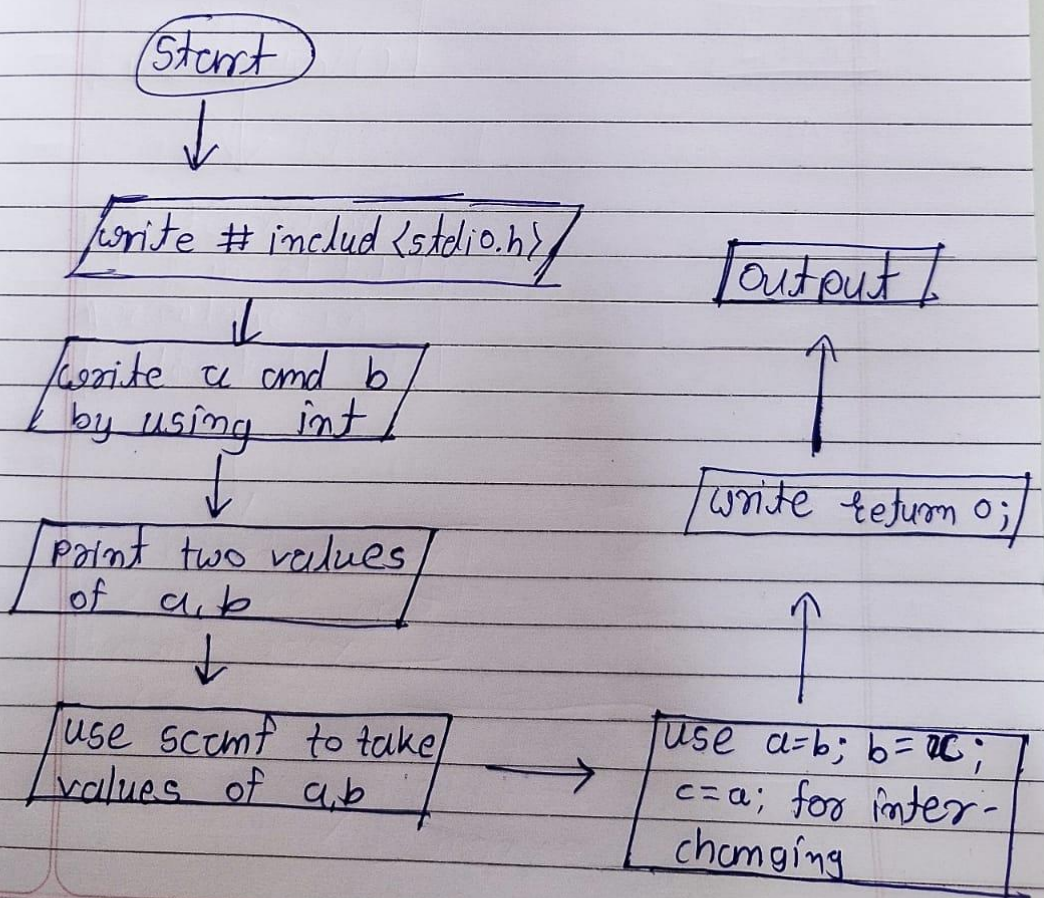
→ Use scanf for taking value from user.

⇒ Use printf for printing value before interchange.

→ Write c=a; a=b; b=c; for interchanging the value

→ Again use printf for interchanged value.

⇒ flowchart:



Code:-

```
#include<stdio.h>
int main()
{
int a,b,c;
printf("Enter the value of a and b:");
scanf("%d%d",&a,&b);
printf("value before interchanged a and b: %d,%d \n",a,b);
c=a;
a=b;
b=c;
printf("value after interchange: %d,%d",a,b);
return 0;
}
```

Output:-