

**A STUDENT HAS SECURED MARKS IN 5 SUBJECTS(OUT OF 100) WRITE A PROGRAM TO COMPUTE THE PERCENTAGE AND IF THE MARKS IS GREATER THAN OR EQUAL TO 80% THEN PRINT "OUTSTANDING" ELSE PRINT "AVERAGE".WRITE THE FLOWCHART OF THE PROGRAM.**

Source code-

```
#include<stdio.h>
int main()
{
float a,b,c,d,e,sum,per;
printf("enter the marks");
scanf("%f%f%f%f%f",&a,&b,&c,&d,&e);
sum=a+b+c+d+e;
per=(sum/5)*100;
printf("percentage:%f\n",per);
if(per>80)
{
printf("outstanding");
}
else{
printf("average");
}
return 0;
}
```

Output-

Enter five marks 90,89,80,95,95  
Outstanding.

Algorithm-

Step 1:start  
Step 2:take user input a,b,c,d,e,sum,per.  
Step 3:print enter the marks.  
Step 4:read a,b,c,d,e.  
Step 5:calculate sum.  
Step 6:calculate percentage (sum/5)\*100 with this formula  
Step 7: print percentage.  
Step 8:check whether percentage greater than 80 or not.  
Step 9: if percentage greater than 80 then print outstanding.  
Step 10:whether print average.  
Step 11:stop.

## Flowchart-

