LAB-1

10. WRITE A C PROGRAM TO CALCULATE THE CUT OFF MARK OF A STUDENT USING THE FORMULA.

```
CM = M/2 + P/2 + C/2 + E
```

WHERE

CM = Cut of f mark M = Marks in Mathematics out of 200

P = Marks in Physics out of 200

C = Marks in Chemistry out of 200

E = Marks in entrance examination out of 100

```
#include<stdio.h>
int main()
{ float cm,m,p,c,e;
  printf("\nenter mathematics marks out of 200=");
  scanf("%f",&m);
  printf("enter physics marks out of 200=");
  scanf("%f",&p);
  printf("enter chemistry marks out of 200=");
  scanf("%f",&c);
  printf("enter entrance examination marks out of 100=");
  scanf("%f",&e);
  printf("\n\nMATHematics=%f\n",m);
  printf("physics=%f\n",p);
  printf("chemistry=%f\n",c);
  printf("enterance examination=%f\n",e);
```

```
cm=m/2+p/2+c/2+e;
printf("\ncut off marks=%f",cm);
```

}

```
C 10.c
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                                                                                                                                                              ∑ powershell + ∨ ⊟ 🛍 ···
                                                                                                                                    TERMINAL
clg > C 10.c > 🗘 main()
                                                                                                                                    PS C:\Users\Sumit\Desktop\vscode> cd clg
                                                                                                                                    PS C:\Users\Sumit\Desktop\vscode\clg> gcc 10.c
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
       int main()
                                                                                                                                    enter mathematics marks out of 200=100
                                                                                                                                    enter physics marks out of 200=100
            float cm,m,p,c,e;
                                                                                                                                    enter chemistry marks out of 200=100
                                                                                                                                    enter entrance examination marks out of 100=100
            printf("\nenter mathematics marks out of 200=");
            scanf("%f",&m);
                                                                                                                                    MATHematics=100.000000
            printf("enter physics marks out of 200=");
                                                                                                                                    physics=100.000000
            scanf("%f",&p);
                                                                                                                                    chemistry=100.000000
                                                                                                                                    enterance examination=100.000000
            printf("enter chemistry marks out of 200=");
                                                                                                                                    cut off marks=250.000000
            scanf("%f",&c);
            printf("enter entrance examination marks out of 100=");
scanf("%f",&e);
                                                                                                                                    PS C:\Users\Sumit\Desktop\vscode\clg>
            printf("\n\nMATHematics=%f\n",m);
            printf("physics=%f\n",p);
printf("chemistry=%f\n",c);
printf("enterance examination=%f\n",e);
            cm=m/2+p/2+c/2+e;
            printf("\ncut off marks=%f",cm);
```