```c
#include <stdio.h>
int main() {
        int cat1, cat2, cat3, exam;
        printf("Enter CAT1 marks\n");
        scanf("%d",&cat1);
        printf("Enter CAT2 marks\n");
        scanf("%d",&cat2);
        printf("Enter CAT3 marks\n");
        scanf("%d",&cat3);
        printf("Enter Exam marks\n");
        scanf("%d",&exam);
        float marks=(cat1+cat2+cat3)/3+exam;
        if ((marks>=0)&& (marks<=39)){
        printf("The Grade is Fail");
        } else if((marks>=40)&&(marks<=49)){
        printf("The Grade is D");
        } else if ((marks>=50)&& (marks<=59)){
                printf("The grade is C");
        } else if ((marks>=60)&&(marks<=69)){
                printf("The grade is B");
        } else if ((marks>=70)&& (marks<=100)){
                printf("The grade is A");
        } else {
                printf("Inavlid Entry");
        }
        return 0;
}
```