

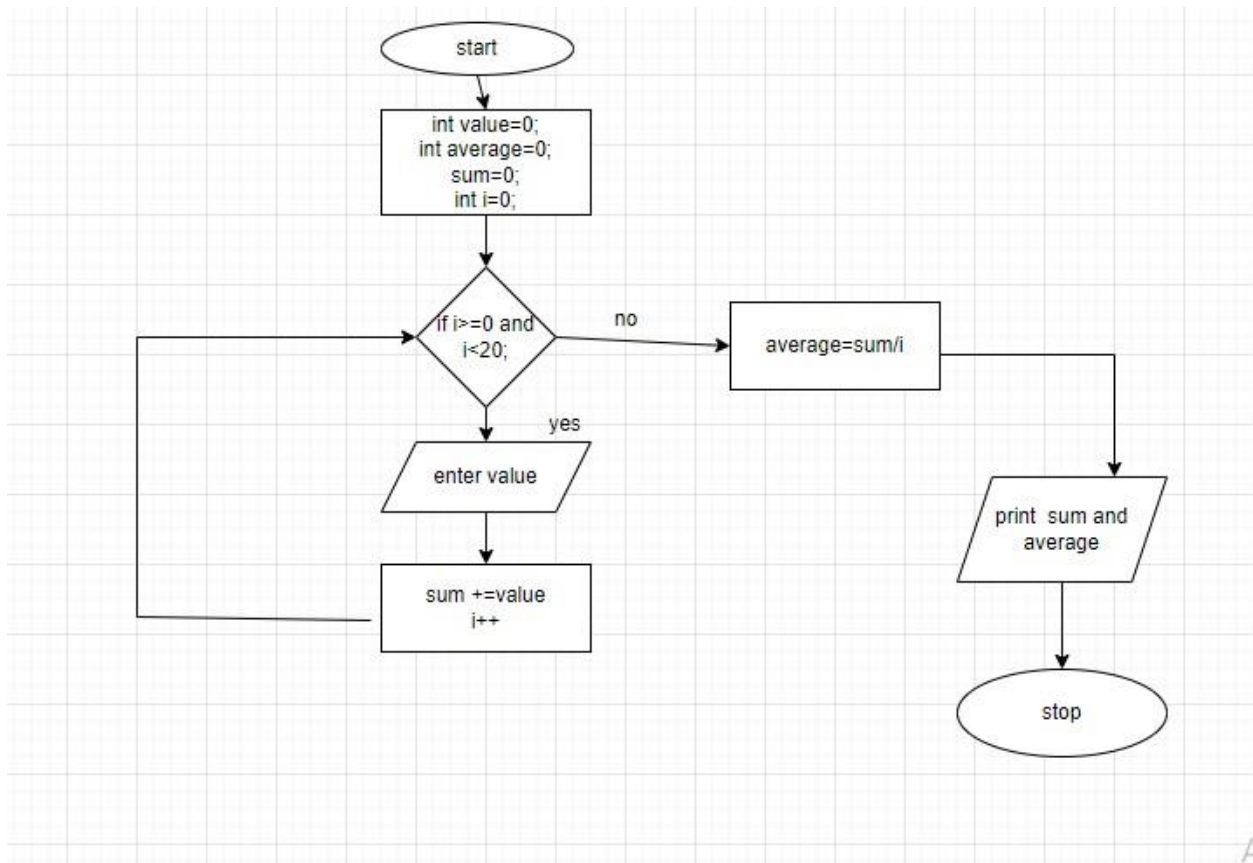
Write the code for the above algorithm :

```

#include<stdio.h>
int main(){
    int numbers=0;
    int sum =0;
    for(int i=1;i<100;i++){
        if(i%3==0){
            sum +=i;
            numbers++;
        }
    }
    printf("\n the total numbers divisible by 3 in 0 - 100 is %d \n the sum of
the numbers is %d\n\n\n",numbers,sum);
    return 0;
}

```

2.



Code for the above algorithm

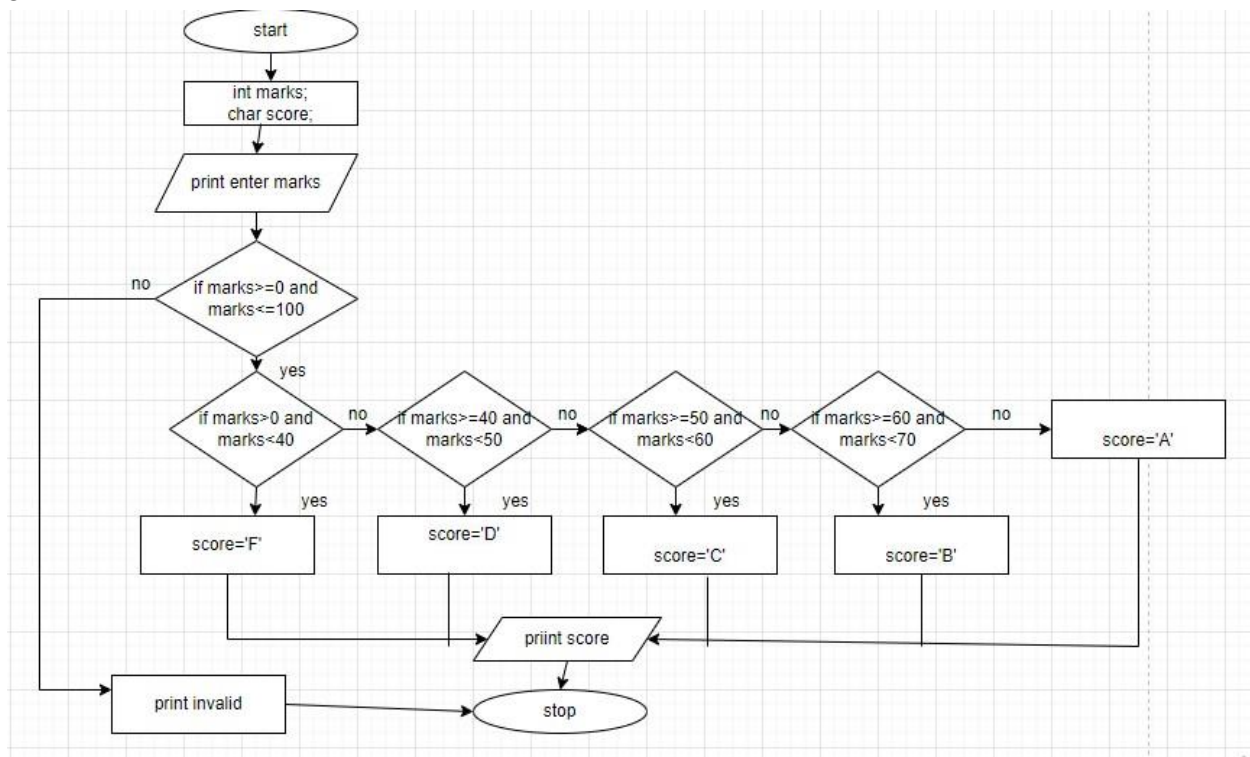
```
#include<stdio.h>
int sum(int value[20],int sizes){
    int sum =0;
    for(int i=0;i<sizes;i++){
        sum+=value[i];
    }
    return sum;
}
double average(int sum, int numbers){
    return sum/numbers;
}
int main(){
    int i=0;
    int values[20];
    do{
        printf("enter value %d ",i+1);
        scanf("%d",&values[i]);
```

```

    i++;
}while(i<20);
printf("the sum is %d and the average is
%f",sum(values,i),average(sum(values,i),i));
}

```

3.



The code of the algorithm above is :

```

#include<stdio.h>
int main(){
    int marks;
    char score;
    printf("please enter your marks :");
    scanf("%d",&marks);
    if(marks>0 && marks<100){
        if(marks>=0 && marks <40){
            score='F';
        }else if(marks>=40 && marks <50){
            score ='D';

```

```
        }else if(marks>=50 && marks <60){  
            score = 'C';  
        }else if(marks>=60 && marks <70){  
            score = 'B';  
        }else{  
            score = 'A';  
        }  
    }else{  
        printf("invalid entry");  
        return 0;  
    }  
    printf("your score is %c",score);  
}
```