Question: 1

```c
#include <stdio.h>
#include <math.h>
#include<string.h>
#include<stdlib.h>
int main(){
    int n,odd=0,even=0,len,rem,flag;
    char str1[20];
    scanf("%d",&n);
    sprintf(str1,"%d",n); //convert int to string
    len=strlen(str1);
    if(len%2==0){ //123456
        flag=0;
        while(n!=0){
            if(flag==0){
                rem=n%10;
                even+=rem;
                flag=1;
            }
            else{
                rem=n%10;
                odd+=rem;
                flag=0;
            }
            n=n/10;
        }
    }
    else{
        flag=1; //12345
        while(n!=0){
            if(flag==0){
                rem=n%10;
                even+=rem; //even=4+2
```

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                flag=1;
        }
        else{
            rem=n%10;
            odd+=rem;  //odd=5+3+1
            flag=0;
        }
        n=n/10;
} }
printf("%d",abs(even-odd));
return 0; }
```