1.WAP a to read a number and check whether it is +ve or -ve without comparing with 0

Program

```c
#include <stdio.h>
void main()
{
    int no;
    printf("Enter a Number:");
    scanf("%d",&no);
    if(no!=abs(no)){
        printf("it is -ve");
    }else{
        printf("it is +ve");
    }

}
```

Explanation

A=20
no!=abs(no)
20!=abs(20)
20!=20
False
A=-15
-15!=abs(-15)
-15!=15
True

2.WAP to read purchase rate and sales rate of a product and print whether it is profit or loss

PurchaseRate	SalesRate	Loss/profit
2000	1500	500
1000	100	100

Program (error)

```c
#include <stdio.h>
void main()
{
    int sr,pr;
    printf("Enter Purchase rate and Sales Rate:");
    scanf("%d%d",&sr,&pr);
    if(sr>pr){
        printf("Loss=%d",sr-pr);
    }else{
        printf("Profit=%d",pr-sr);
    }
}
```

3.WAP to read marks in 3 subjects and print whether the student is pass or fail

Program

```c
#include <stdio.h>
void main()
{
```

```c
   int m1,m2,m3;
   printf("Enter Marks In 3 Subjects:");
   scanf("%d%d%d",&m1,&m2,&m3);
   if((m1>35) && (m2>35) && (m3>35)){
      printf("passed");
   }
   else{
      printf("failed");
   }
}
```

4.WAP to read 3 sides of triangle and check whether you can draw it or not
Program
```c
#include <stdio.h>
void main()
{
   int a,b,c;
   printf("Enter Values to Check:");
   scanf("%d%d%d",&a,&b,&c);
   if(a+b>c && b+c>a && a+c>b){
      printf("We can Draw");
   }
   else{
      printf("We cannot Draw");
   }
}
```

5.WAP to read a character and check whether it is vowel or consonants
Program
```c
#include <stdio.h>
void main()
{
   char ch;
   printf("Enter A Character:");
   scanf(" %c",&ch);
   if(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u'
   ||ch=='A'||ch=='E'||ch=='I'||ch=='O'||ch=='U'){
      printf("Vowel");
   }else{
      printf("consonant");
   }

}
```