code:

```python
def accept_marks(a):
    n=int(input("Enter the strength of class: "))
    for i in range(n):
        while True:
            x=input("Marks of student %d:"%(i+1))
            if(x=="AB"):
                x=-1
                break;
            x=int(x)
            if(x>=0 and x<=30):
                break;
            else:
                print("Enter the valid number!")
        a.append(x)
def display_marks(a):
    n=len(a)
    for i in range(n):
        if(a[i]==-1):
            print("Student %d is absent"%(i+1))
        elif(a[i]>=0 and a[i]<=30):
            print("Marks of Student is: %d "%a[i])
def average_score(a):
    n=len(a)
    count =0
    sum=0
    for i in range(n):
        if(a[i]>=0 and a[i]<=30):
            sum=sum+a[i]
            count=count+1
    avg=sum/count
    print("Average of %d Students who are present is: %f"%(count,avg))
def max_min(a):
    max=-1
    min=31
    for i in range(len(a)):
        if(a[i]>max):
            max=a[i]
            index=i
        if(a[i]<min and a[i]!=-1):
            min=a[i]
    print("Maximum number is %d"%max)
    print("Minimum number is %d"%min)
def absent(a):
    s=0;
    for i in range(len(a)):
        if(a[i]==-1):
            s=s+1;
    print("Total absent students are: ",s)

def frequency(a):
```

```python
    i=0
    x=0
    n=len(a)
    while(i<n):
        count=0
        for j in range(n):
            if(a[i]==a[j] and a[i]!=-1):
                count=count+1
        if(count>x):
            x=count
            index=i
        i=i+1
    print("The maximum frequency is of %d" %a[index])
def main():
    fds=[]
    accept_marks(fds)
    display_marks(fds)
    average_score(fds)
    max_min(fds)
    absent(fds)
    frequency(fds)
main()
```
output:

Enter the strength of class: 10
Marks of student 1:12
Marks of student 2:13
Marks of student 3:15
Marks of student 4:10
Marks of student 5:6
Marks of student 6:8
Marks of student 7:9
Marks of student 8:16
Marks of student 9:18
Marks of student 10:20
Marks of Student is: 12
Marks of Student is: 13
Marks of Student is: 15
Marks of Student is: 10
Marks of Student is: 6
Marks of Student is: 8
Marks of Student is: 9
Marks of Student is: 16
Marks of Student is: 18
Marks of Student is: 20
Average of 10 Students who are present is: 12.700000
Maximum number is 20
Minimum number is 6
Total absent students are: 0
The maximum frequency is of 12
(base) tpo@tpo-Vostro-3900:~$