

Practical:-3

Aim: Write a Python program that gives the grade of the student based on user input of student marks.

Code:

```
while True:
```

```
    try:
```

```
        maths = float(input("Enter maths Marks: "))
```

```
        if maths<101 and maths>0:
```

```
            print("Marks entered successfully ")
```

```
            break;
```

```
        else:
```

```
            print("Marks should be >100 and <0 ")
```

```
    except ValueError:
```

```
        print("Provide an integer value ")
```

```
        continue
```

```
while True:
```

```
    try:
```

```
        java = float(input("Enter java Marks: "))
```

```
        if java<101 and java>0:
```

```
            print("Marks entered successfully ")
```

```
            break;
```

```
        else:
```

```
            print("Marks should be >100 and <0 ")
```

```
    except ValueError:
```

```
        print("Provide an integer value ")
```

```
        continue
```

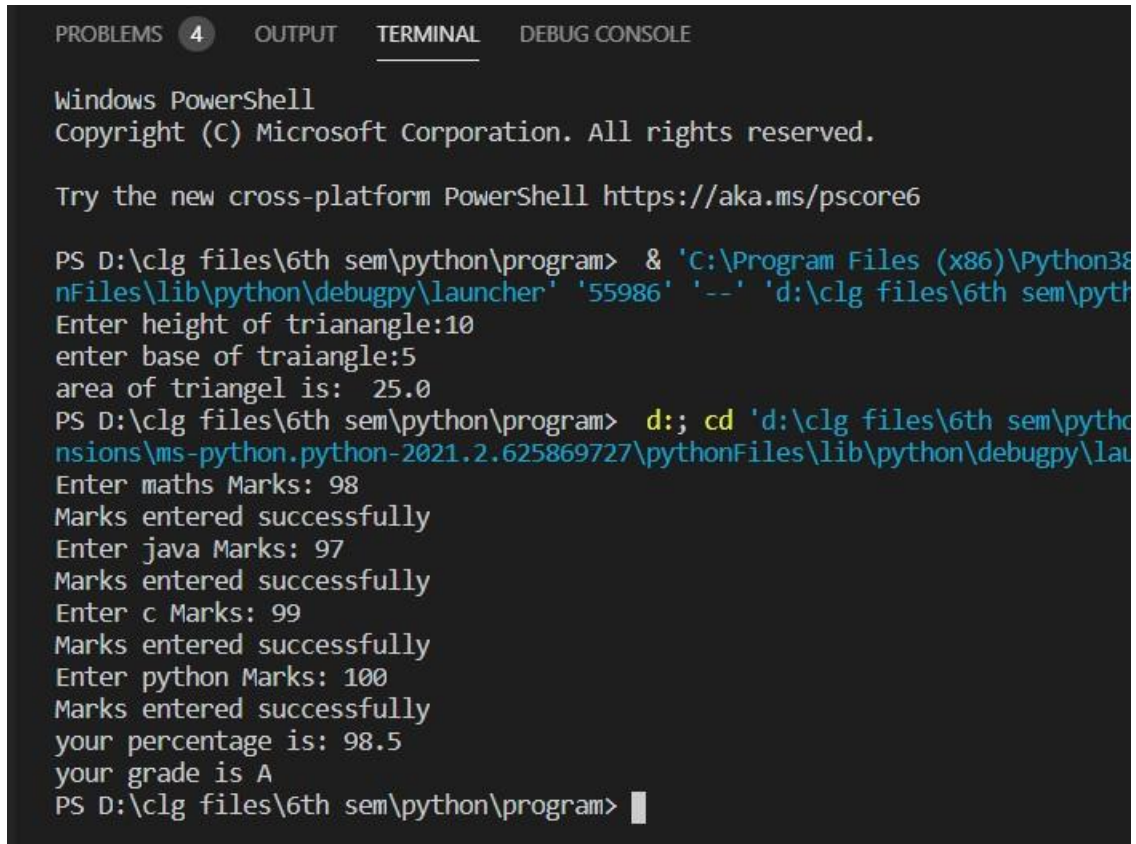
```
while True:
```

```
    try:
```

```
        c = float(input("Enter c Marks: "))
```

```
        if c<101 and c>0:
```

```
    print("Marks entered successfully ")
    break;
else:
    print("Marks should be >100 and <0 ")
except ValueError:
    print("Provide an integer value ")
    continue
while True:
    try:
        python = float(input("Enter python Marks: "))
        if python<101 and python>0:
            print("Marks entered successfully")
            break;
        else:
            print("Marks should be >100 and <0")
    except ValueError:
        print("Provide an integer value")
        continue
percentage=(maths+c+java+python)/4
print("your percentage is:", percentage)
if percentage>90:
    print("your grade is A")
elif percentage>=80:
    print("your grade is B")
elif percentage<=70:
    print("your grade is C")
elif percentage<=50:
    print("your grade is D")
else:
    print("your grade is F")
```

Output:

```
PROBLEMS 4 OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\clg files\6th sem\python\program> & 'C:\Program Files (x86)\Python38\pythonFiles\lib\python\debugpy\launcher' '55986' '--' 'd:\clg files\6th sem\python\program.py'
Enter height of trianangle:10
enter base of traiangle:5
area of triangel is: 25.0
PS D:\clg files\6th sem\python\program> d:; cd 'd:\clg files\6th sem\python\program'
Enter maths Marks: 98
Marks entered successfully
Enter java Marks: 97
Marks entered successfully
Enter c Marks: 99
Marks entered successfully
Enter python Marks: 100
Marks entered successfully
your percentage is: 98.5
your grade is A
PS D:\clg files\6th sem\python\program> |
```