

```
1 # Question 1
2 x=int(input("enter your marks"))
3 if x>=80:
4     print("your grade is 'A'.")
5 elif x>=60:
6     print("your grade is 'B'.")
7 elif x>=50:
8     print("your grade is 'C'.")
9 elif x>=45:
10    print("your grade is 'D'.")
11 elif x>=25:
12    print("your grade is 'E'.")
13 else:
14    print("your grade is 'F'.")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Python Debug Console + - [ ] [X] ^ X

Windows PowerShell

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```
PS C:\Users\admin\python assignments> & 'C:\Users\admin\AppData\Local\Microsoft\WindowsApps\python3.10.exe' 'c:\Users\admin\.vscode\extensions\ms-python.python-2022.6.2\pythonFiles\lib\python\debugpy\launcher' '49473' '--' 'c:\Users\admin\python assignments\qu.py'
```




enter your marks 82

your grade is 'A'.

```
PS C:\Users\admin\python assignments> |
```

```
1 # Question 2
2 a=int(input("enter the year:"))
3 if a%400 == 0:
4     print(a, "is a leap year.")
5 elif a%4 == 0:
6     print(a, "is aleap year.")
7 else:
8     print(a, "is not aleap year.")
9
```

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 Python Debug Console + ▾   ^ ×

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```
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```

```
enter the year:2022
```

```
2022 is not aleap year.
```

```
PS C:\Users\admin\python assignments> █
```

# Question 3

```
import random
```

```
i=0
```

```
while i<10:
```

```
    num1=random.randint(0,10)
```

```
    num2=random.randint(0,10)
```

```
    print("solve {} * {} =".format(num1,num2))
```

```
    ans=int(input("enter your answer :"))
```

```
    if ans==num1*num2:
```

```
        print("right")
```

```
    else:
```

```
        print("wrong. The answer is {}".format(num1*num2))
```

```
    i+=1
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Python Debug Console + - [ ] [X] ^ X

wrong. The answer is 72

solve 9 \* 0 =

enter your answer :0

right

solve 10 \* 1 =

enter your answer :23

wrong. The answer is 10

solve 1 \* 3 =

enter your answer :3




right

177 candies are in the bowl!

PS C:\Users\admin\python assignments> |

```
1 # Question 4
2 for candies in range(200):
3     if candies % 5 == 2:
4         if candies % 6 == 3:
5             if candies % 7 == 2:
6                 print(candies, 'candies are in the bowl!')
7
8
9
10
11
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

 Python Debug Console + v   ^ x

Windows PowerShell

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```

```
177 candies are in the bowl!
```

```
PS C:\Users\admin\python assignments>
```