

#Question 1

```
grade= float(input(" Enter your exam score "))
```

```
if grade<25:
```

```
    print("Grade awarded is F")
```

```
elif grade>=25 and grade<45:
```

```
    print("Grade awarded is E")
```

```
elif grade>=45 and grade<50:
```

```
    print("Grade awarded is D")
```

```
elif grade>=50 and grade<60:
```

```
    print("Grade awarded is C")
```

```
elif grade>=60 and grade<80:
```

```
    print("Grade awarded is B")
```

```
elif grade>=80 and grade<=100:
```

```
    print("Grade awarded is A")
```

```
else:
```

```
    print("Error: You cannot have the entered number of marks!")
```

```
'''If you will another number than this then  your are either considered to be failed or number limit  
exceed'''
```

# Question 2

```
year= int(input("Please enter year: "))
```

```
if year % 100 == 0:
```

```
    if year % 400 == 0:
```

```
        print("The year ",year," is a leap year!")
```

```
else:
```

```
    print("The year ",year," is not a leap year :(")
```

```
elif year % 4 == 0:
```

```
    print("The year ",year," is a leap year!")
```

```
else:
```

```
    print("The year ",year," is not a leap year :(")
```

```
# Question 3
```

```
from random import randint
```

```
for loop_variable in range(10):
```

```
    no1 = randint(0,10)
```

```
    no2 = randint(0,10)
```

```
    if int(input('Question: ' + str(no1) + ' x ' + str(no2) + ' = ')) == no1 * no2: print('Great you are right')
```

```
    else: print('Wrong. The answer is ', no1 * no2)
```

```
# Question 4
```

```
number=1
```

```
while number<200:
```

```
    if number%5 == 2 and number%6 == 3 and number%7 == 2:
```

```
        print("The number is: " + str(number))
```

```
    number = number + 1
```