```python
x=int(input("enter the marks of the student"))
if x>80:
    print("A")
elif 60<x<80:
    print("B")
elif 50<x<60:
    print("C")
elif 45<x<50:
    print("D")
elif 25<x<45:
    print("E")
elif 0<=x<25:
    print("F")
else:
    print("INVALID marks")
```

```
C:\Users\HP\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/pythonProject1/main.py
enter the marks of the student20
F

Process finished with exit code 0
```

```python
a=int(input("enter a year"))
if(a%400==0 and a%100==0):
    print(a, "is a leap year")
elif(a%4==0 and a%100!=0):
    print(a,"is a leap year")
else:
    print(a, "is not a leap year")
```

```
C:\Users\HP\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/pythonProject1/main.py
enter a year2000
2000 is a leap year


Process finished with exit code 0
```
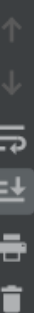
```python
a=int(input("3*4= "))
if(a==12):
    print("right")
else:
    print("wrong")

b=int(input("6*8= "))
if(b==48):
    print("right")
else:
    print("wrong")

c=int(input("5*8= "))
if(c==40):
    print("right")
else:
    print("wrong")

d=int(input("6*7= "))
if(d==42):
    print("right")
else:
    print("wrong")

e=int(input("3*5= "))
if(e==15):
    print("right")
else:
    print("wrong")
```

```python
f=int(input("3*9= "))
if(f==27):
    print("right")
else:
    print("wrong")

g=int(input("3*40= "))
if(g==120):
    print("right")
else:
    print("wrong")

h=int(input("3*42= "))
if(h==126):
    print("right")
else:
    print("wrong")

i=int(input("3*30= "))
if(i==90):
    print("right")
else:
    print("wrong")

j=int(input("3*0= "))
if(j==0):
    print("right")
else:
    print("wrong")
```

```
C:\Users\HP\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/pythonProject1/main.py
3*4= 0
wrong
6*8= 02
wrong
5*8= 25
wrong
6*7= 42
right
3*5= 45
wrong
3*9= 327
wrong
3*40= 120
right
3*42= 126
right
3*30= 90
right
3*0= 0
right

Process finished with exit code 0
```

```python
for i in range(200):
    if(i%5==2 and i%6==3 and i%7==2):
        print(i)
```

```
C:\Users\HP\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/pythonProject1/main.py
177


Process finished with exit code 0
```