



The screenshot shows a Jupyter Notebook interface with a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar. The notebook is titled "Marsheet" and shows the last checkpoint as "an hour ago (autosaved)". The code in the cell is as follows:

```
In [48]: import math
import random
eng = random.randint(1,100)
isl = random.randint(1,100)
maths = random.randint(1,100)
print("English =",eng,"Islamiat =",isl,"Maths =",maths)
total_marks = 300
obtained_marks = eng + isl + maths
print("obtained marks =",obtained_marks)
percent = obtained_marks / total_marks *100
print("your percentage is ",math.floor(percent),"%",sep="")

if percent < 0 or percent > 100:
    print("You should give percent between 1-100");
elif percent <= 100 and percent >= 80:
    print("you got A+");
    print("Remarks : Excellent")
elif percent < 80 and percent >= 70:
    print("you got A");
    print("Remarks : Vry Good")
elif percent < 70 and percent >=60:
    print("you got B");
    print("Remarks : Good")
elif percent < 60 and percent >=50:
    print("you got C");
    print("Remarks : Fair")
elif percent < 50 and percent >=40:
    print("you got D");
    print("Remarks : Poor")
elif percent < 40 and percent >=33:
    print("you got E");
    print("Remarks : Very Poor")
else:
    print(" Fail ");
    print("Remarks : Failure")

i = 0
fail_subject = ""
if eng < 33:
    i += 1;
    fail_subject += "English "
if isl < 33:
    i += 1;
    fail_subject += "Islamiat "
if maths < 33:
    i += 1;
    fail_subject += "Maths "
print("failed subjects count : ",i)
if i > 0:
    print("Failed Subjects Name :",fail_subject)
else:
    print("Congratulations! you pass in all subjects :)")
```

SOURCE CODE:

```
import math

import random

eng = random.randint(1,100)

isl = random.randint(1,100)

maths = random.randint(1,100)

print("English =",eng,"Islamiat =",isl,"Maths =",maths)
```

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total_marks = 300
obtained_marks = eng + isl + maths
print("obtained marks =",obtained_marks)
percent = obtained_marks / total_marks *100
print("your pecentage is ",math.floor(percent),"%",sep="")
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    print("you got E");
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    print("Remarks : Very Poor")
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```
else:
```

```
    print(" Fail ");
```

```
    print("Remarks : Failure")
```

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i = 0
fail_subject = ""
if eng < 33:
    i += 1;
    fail_subject += "English "
if isl < 33:
    i += 1;
    fail_subject += "Islamiat "
if maths < 33:
    i += 1;
    fail_subject += "Maths "
print("failed subjects count : ",i)
if i > 0:
    print("Failed Subjects Name :",fail_subject)
else:
    print("Congratulations! you pass in all subjects :)")
```

OUTPUT:

1.

```
English = 73 Islamiat = 87 Maths = 83
obtained marks = 243
your percentage is 81%
you got A+
Remarks : Excellent
failed subjects count : 0
Congratulations! you pass in all subjects :)
```

2.

English = 98 Islamiat = 61 Maths = 23
obtained marks = 182
your percentage is 60%
you got B
Remarks : Good
failed subjects count : 1
Failed Subjects Name : Maths

3.

English = 30 Islamiat = 71 Maths = 28
obtained marks = 129
your percentage is 43%
you got D
Remarks : Poor
failed subjects count : 2
Failed Subjects Name : English Maths
