

In [17]:

```
import random
print("rainfall detection system started")
# simulating rainfall in millimeters (0 to 100mm)
rainfall = random.randint(0, 100)
print("rainfall detected:", rainfall, "mm")
#checking rainfall category
if rainfall == 0:
    print("no rain")
elif rainfall <= 20:
    print("light rain")
elif rainfall <= 50:
    print("moderate rain")
elif rainfall <= 80:
    print("heavy rain")
else:
    print("very heavy rain please take precautions!")
```

```
rainfall detection system started
rainfall detected: 92 mm
very heavy rain please take precautions!
```

In []:

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