

#P1 - Check whether a number falls in a given range

```
def withinrange():
    Num = int(input("Enter a number:"))
    R1 = int(input("Enter range starting number:"))
    R2 = int(input("Enter range ending number:"))
    if Num in range(R1,R2):
        print(Num, 'with in the range')
    else:
        print(Num, 'not with in the range')
def main():
    withinrange()

if __name__ == "__main__":
    main()
```

#P2 - Board game cards holding by half

```
Num = int(input("Enter many cards you have:"))
print('Cards you are holding should reduce to ',Num//2)
```

#P3 - Print the letter A on the sameline.

```
import random
Num = int(input("Enter a Number:"))
print('A' * random.randint(Num, Num+10))
```

#P4 - Billing program

```
s_hour = int(input("Enter starting hour(24-hour format:"))
e_hour = int(input("Enter ending hour(24-hour format:"))
if s_hour > 12 and e_hour < 12:
    usedtime = (24-s_hour) + e_hour
else:
    usedtime = e_hour-s_hour

print((usedtime) * 5.5, 'your bill')
```

#P5 - Rolls that are doubles.

```
import random
count = 0
for i in range(10000):
    if random.randint(1,6) == random.randint(1,6):
        count +=1
print('Percentage of double dice is', (count/10000)*100)
```