1. Write a function to check whether a number falls in a given range

deftest_range(n):

If n in range(3,9):

    print(" %s is in the range"%str(n))

Else :

    print("The number is outside the given range.")

Test range (5)

2. Some board games require you to reduce the number of cards you are holding by half, rounded
down. For instance, if you have 10 cards, you would reduce to 5 and if you had 11 cards you would
also reduce to 5. With 12 cards you would reduce to 6. Write a program that asks the user to enter
how many cards they have and print out what their hand would reduce to under this rule.

3. Write a program that asks the user to enter a positive integer. Then generate a random number between
that number and 10 more than that number and print the letter A that many times on the same
line.

```
num = int(input("Enter a positive integer: "))
while num <= 0:
   num = int(input("Enter a positive integer: "))
   print(f"{num} is positive.")
```

4. This is a very simple billing program. Ask the user for a starting hour and ending hour, both given in
24-hour format (e.g., 1 pm is 13, 2 pm is 14, etc.). The charge to use the service is $5.50 per hour. Print
out the user's total bill. You can assume that the service will be used for at least 1 hour and never
more than 23 hours. Be careful to take care of the case that the starting hour is before midnight and
the ending time is after midnight.

```python
def dice(n):
    x=random.randint(1,6)
    y=random.randint(1,6)
    for i in range(n):
        z=x+y
    return z
```