

# Assignment

Write a python program to generate an array from a bucket of three coloured (red, blue and green) balls. The rules are:

1. Place blue coloured ball at the beginning, green at the middle and red at the end.

```
25 def array(n):
    ball = []
    blue= n//3
    green= n//3
    red= n-(blue+green)
    while blue>0:
        ball.append('blue')
        blue -=1
    while green>0:
        ball.append('Green')
        green-=1
    while red>0:
        ball.append('Red')
        red-=1
    return ball
n=int(input("Enter the total number of balls:"))
if n>3:
    ball=array(n)
    print("Generated array of balls",ball)
else:
    print("Insufficient amount of balls to generate.")
```

Enter the total number of balls:15  
Generated array of balls ['blue', 'blue', 'blue', 'blue', 'blue', 'Green', 'Green', 'Green', 'Green', 'Green', 'Red', 'Red', 'Red', 'Red', 'Red']