

Experiment 2

Q1) Darüşşafaka Basketball, a professional basketball club based in İstanbul, will organize a summer shooting contest for young basketball players to improve their shooting form. Consider you are an engineer charged with evaluating the performance of young players. In this basketball competition, each basket is worth **2 points**. In addition, an additional **5 points** will be given for every **third** basket. Write a C program that calculates the total scores of the players when N baskets have been scored.

Q2) Write a C program that finds the largest prime number smaller than the number entered by the user. Please verify your code with the numbers 17 and 28 as follows:

```
Enter a number : 17
The largest prime number is 17
```

```
Enter a number : 28
The largest prime number is 23
```