

2. (2pt) Write a function that takes two double parameters w and h , and returns a double value known as Body Mass Index (BMI), which is computed by the formula

$$BMI = \frac{w}{h^2}$$

where w is the weight in kilogram and h is the height in meters.

3. (5pt) Write just a function that takes n as a integer parameter and computes the following sum and returns the result to the caller.

$$sum = 1 \binom{n}{0} + 2 \binom{n}{1} + 3 \binom{n}{2} + \dots + (n+1) \binom{n}{n}$$

Assume that the `int fact(int n);` and `int select(int n, int k);` functions that we implemented in class are available and can be used in your solution (if you need them). *You do not need to implement them again.*

```
int ComputeSum(int n)
{
```