National University Of Computer & Emerging Sciences

CS1002 – Programming Fundamentals

Assignment # 2

1. **Problem 1:**
   - **Age of a Person (in years):** (unsigned int)
     Since age of a person can not be negative and nobody writes his age like 15.6, 17.2. Everybody writes his age in integer form so I have chosen unsigned int.
   - **Speed Of Light:** (unsigned int)
     Since speed of light is a constant positive integer value so I have chosen unsigned int.
   - **Gender:** (char)
     If someone enters his gender like M or F then char will be used.
   - **Coordinated of a Point:** (float)
     Since coordinates of a point can be signed and can have decimal form so we should use float.
   - **Factorial Of A Number:** (double)
     Since factorial of a number can have higher values so I have chosen double to store them.
   - **The Number Of Plants In a Region:** (long int)
     I think that long int is enough for plants in a region.
   - **Mass Of Electron:** (float)
     Since mass of an electron is a positive decimal value so I have chosen float.