IP MID LAB ASSIGNMENT Spring 21-22

Write C++ program for the given problems. All Questions are mandatory.

1. **A simple grade conversion that can convert the numerical value to letter grade and grade point.**
   Example:
   Input Marks: 91
   Your Grade is: A+
   Your Grade Point is: 4

2. **The game will ask to write a word using a given letter, and while the world entered the program will check the word if it has that character and show the result.**
   Example:
   How many characters: 3
   Must have character: c
   Write your answer: cat
   Your given word cat has 3 character and character c

3. **Use FUNCTIONS to find the areas of different geometrical figures. This has 4 options that can be chosen by the user. The 4 options are –**

   1) Area of circle,

   2) Area of rectangle,

   3) Area of triangle,

   4) Area of square.

   After choosing, the geometric figure user will give corresponding inputs (For example in Circle user have to give the Radius).