AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH
FACULTY IF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE
C++ PROBLEMS

1. Create three functions called display(), one function will take an integer number and display it, second function will take a float number and display it and third one will take an integer and a double and will display the both.

void display(int var)
void display(float var)
void display(int var1, double var2)

2. A student has a roll number and marks of a particular subject.
-Create a class of the student with mentioned properties (all private).
-write necessary setter and getter functions for the class.
-write down a function named compare(), not a member of the class which will take two student object as parameter and will return the roll number of the student who got the highest mark.

3. Overload the **compare**() function of the previous example which will now take 3 students objects and will return the object of the students who got the lowest marks.

4. Write down three functions named **calculatearea**().
   I. **calculatearea(int radius)**- this function will calculate area of a circle and will take radius of the circle as parameter.
   II. **calculataarea(float length, float width)**- function will calculate area of a rectangle and will take length and width of the rectangle as parameter.
   III. **calculataarea(int height, int base)**- function will calculate area of a triangle and will take height and base of the triangle as parameter.