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| Student Name: …….………………………………………………………………….... | Student Number: …………………………………………………….………….. |

1. Write a switch statement to convert a letter grade into an equivalent numeric value on a four-point scale. Set the value of the variable gradeValue to 4.0 for an A, 3.0 for a B, 2.0 for a C, 1.0 for a D and 0.0 for an F. For any other letter, set the value to 0.0 and display an error message:

float gradeValue;

char grade;

cout<<” Please Enter Your Grade Letter:”<<endl;

cin>> grade;

switch (grade)

{

case ‘A’:case ‘a’:

gradeValue = 4.0;

cout<<”Your Grade value is: ”<< gradeValue <<endl;

break;

case ‘B’:case ‘b’:

gradeValue = 3.0;

cout<<”Your Grade value is: ”<< gradeValue <<endl;

break;

case ‘C’:case ‘c’:

gradeValue = 2.0;

cout<<”Your Grade value is: ”<< gradeValue <<endl;

break;

case ‘D’:case ‘d’:

gradeValue = 1.0;

cout<<”Your Grade value is: ”<< gradeValue <<endl;

break;

case ‘F’:case ‘a’:

gradeValue = 0.0;

cout<<”Your Grade value is: ”<< gradeValue <<endl;

break;

default:

gradeValue = 0.0;

cout<<”Error: You are Enter an invalid grade letter “ <<endl;

break;

}