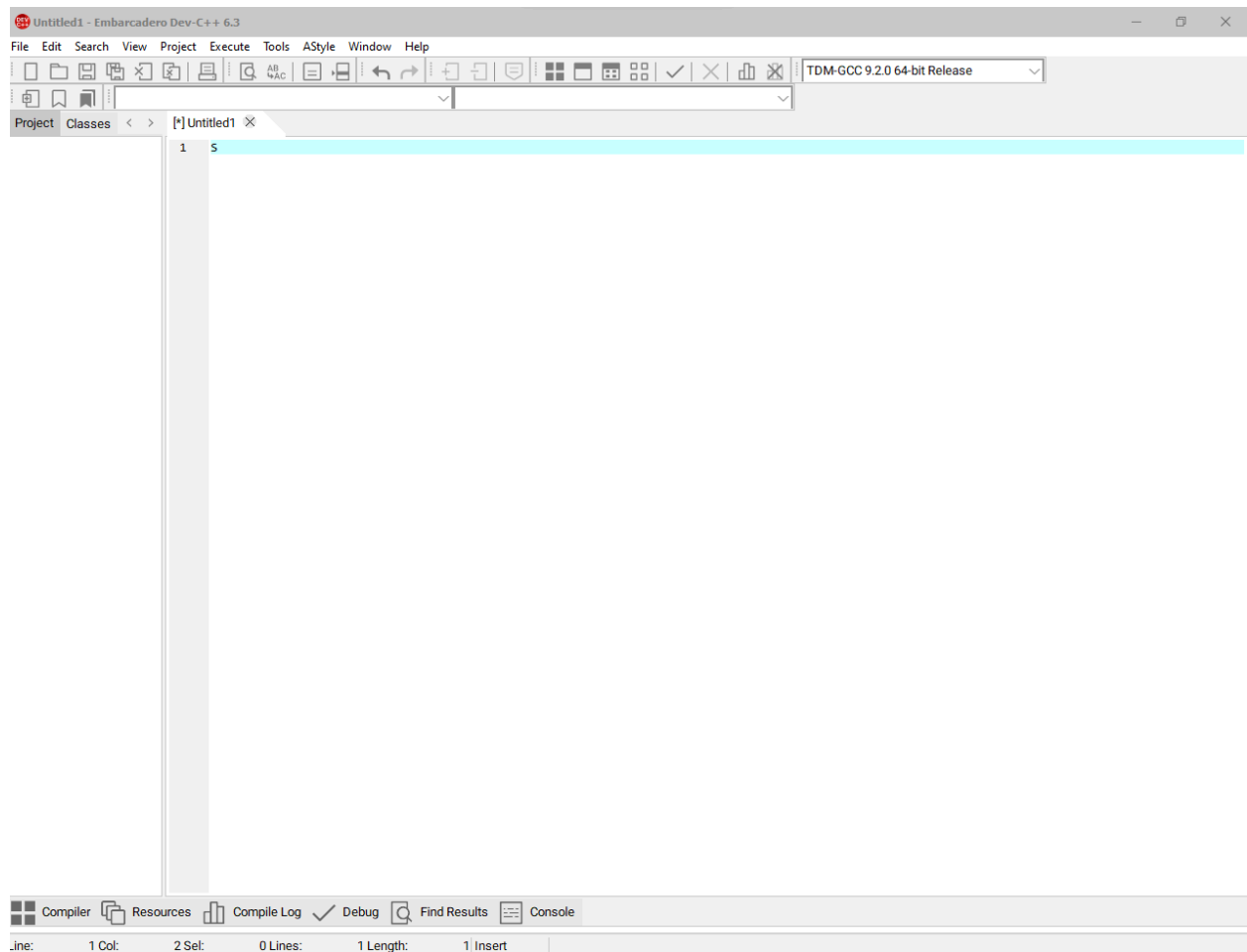


Assignment 1

Task 1:

Run Dev C++ and create a new project.

Solution :



Task 2:

Write a complete C++ program that produces the following output:

Solution :

main.cpp	Output
<pre>1 #include <iostream> 2 3 int main() { 4 std::cout << "++++++" << std ::endl; 5 std::cout << "++++++" << std ::endl; 6 std::cout << "WELCOME TO PROGRAMMING FUNDAMENTALS" << std ::endl; 7 std::cout << "++++++" << std ::endl; 8 std::cout << "++++++" << std ::endl; 9 10 return 0; 11 } 12</pre>	<pre>/tmp/gJRkSPrup1.o ++++++ ++++++ WELCOME TO PROGRAMMING FUNDAMENTALS ++++++ ++++++ === Code Execution Successful ===</pre>

Task 3:

Write a program that has following variables: Name, SAP id, semester and course. Store your values in these variables and then display them on the screen.

Solution :

main.cpp	Output
<pre>1 #include <iostream> 2 #include <string> 3 4 int main() { 5 // Define the variables 6 std::string name = "Zoha tariq"; 7 std::string sap_id = "63784"; 8 std::string semester = "1st Semester"; 9 std::string course = "Cyber security"; 10 11 // Display the values 12 std::cout << "Name: " << name << std::endl; 13 std::cout << "SAP ID: " << sap_id << std::endl; 14 std::cout << "Semester: " << semester << std::endl; 15 std::cout << "Course: " << course << std::endl; 16 17 return 0; 18 } 19</pre>	<pre>/tmp/ljq939nzVs.o Name: Zoha tariq SAP ID: 63784 Semester: 1st Semester Course: Cyber security === Code Execution Successful ===</pre>

Task 4:

- Write a C++ program that declares variables for an employee's name, Employee ID, department, and job title. Store values in these variables and then display them on the screen in a formatted manner.

Solution :

main.cpp	Output
<pre>1 #include <iostream> 2 #include <string> 3 4 int main() { 5 // Declare variables 6 std::string employeeName; 7 int employeeID; 8 std::string department; 9 std::string jobTitle; 10 11 // Store values in the variables 12 employeeName = "John Doe"; 13 employeeID = 12345; 14 department = "Human Resources"; 15 jobTitle = "HR Manager"; 16 17 // Display the values in a formatted manner 18 std::cout << "Employee Information:" << std::endl; 19 std::cout << "-----" << std::endl; 20 std::cout << "Name: " << employeeName << std::endl; 21 std::cout << "Employee ID: " << employeeID << std::endl; 22 std::cout << "Department: " << department << std::endl; 23 std::cout << "Job Title: " << jobTitle << std::endl; 24 25 return 0; 26 } 27</pre>	<pre>/tmp/KLtquX63tg.o Employee Information: ----- Name: John Doe Employee ID: 12345 Department: Human Resources Job Title: HR Manager === Code Execution Successful ===</pre>