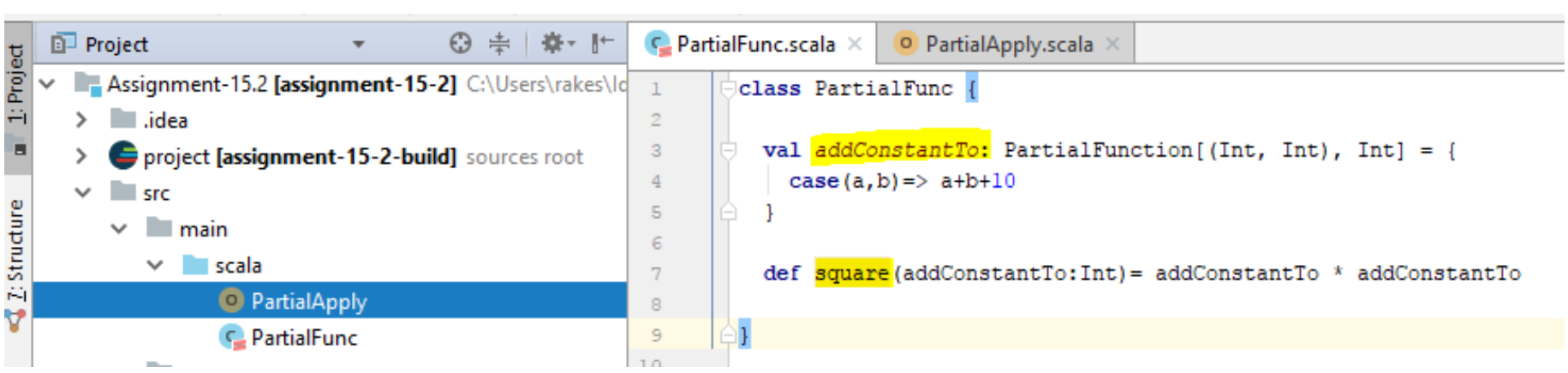
Problem Statement

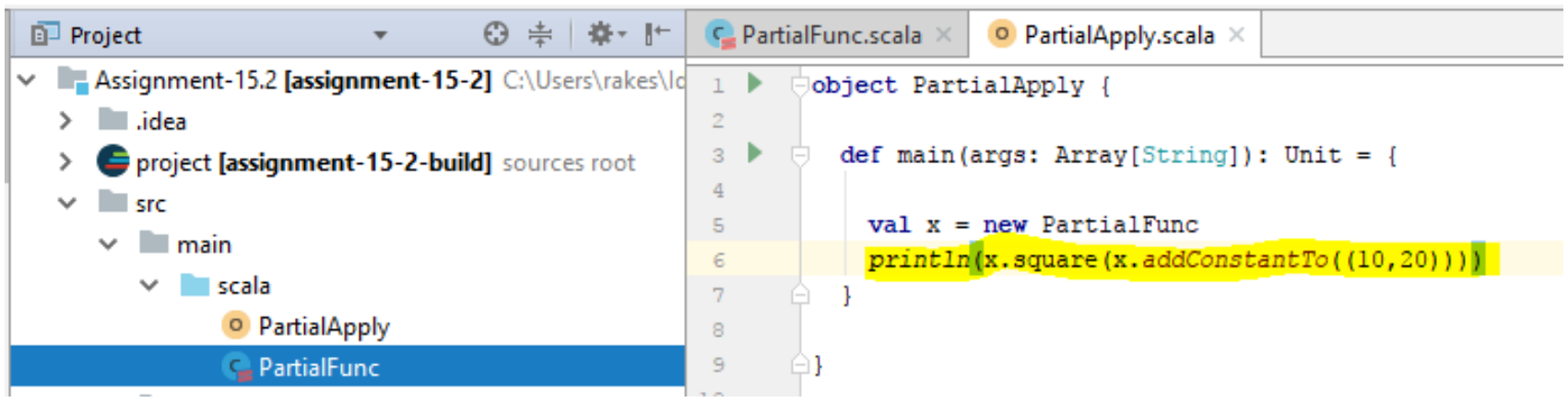
1. Write a partial function to add three numbers in which one number is constant and two numbers can be passed as inputs and define another method which can take the partial function as input and squares the result.

Solution-

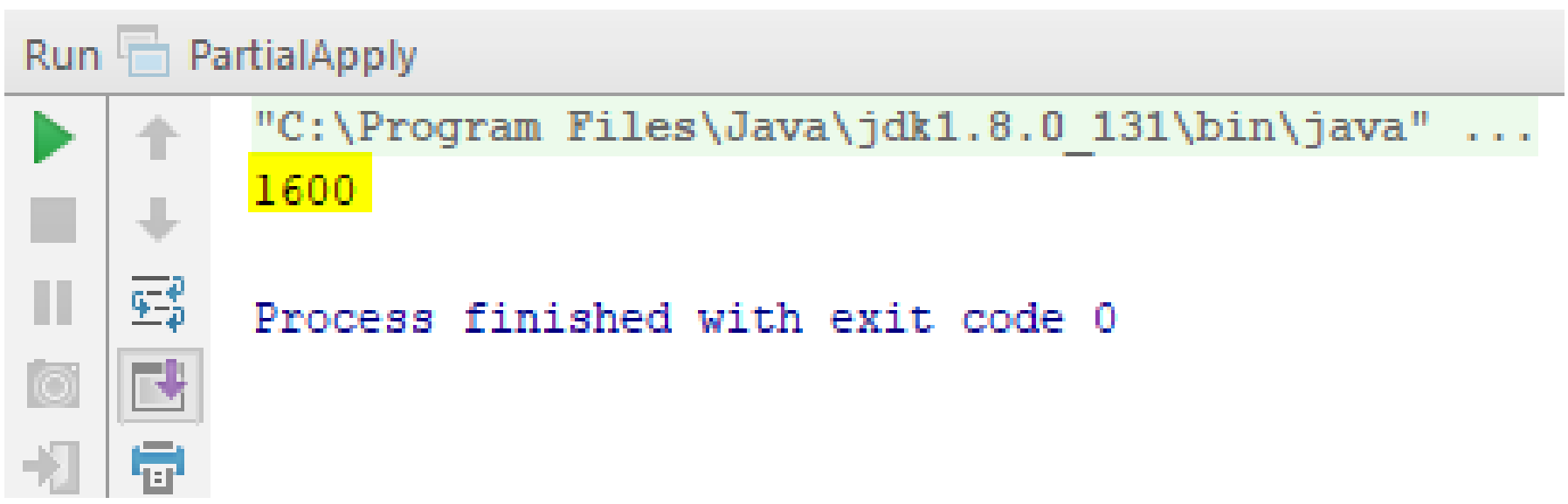
We have defined below class **PartialFunc** which contains partial function which takes 2 integers from user and 1 constant as input and adds the result.
We have 1 more method in same class named as square which takes the above function and squares the result-



Now in the main method we are calling same function. We are passing 10, 20 as input and constant 10 is being added.



Below is the output-

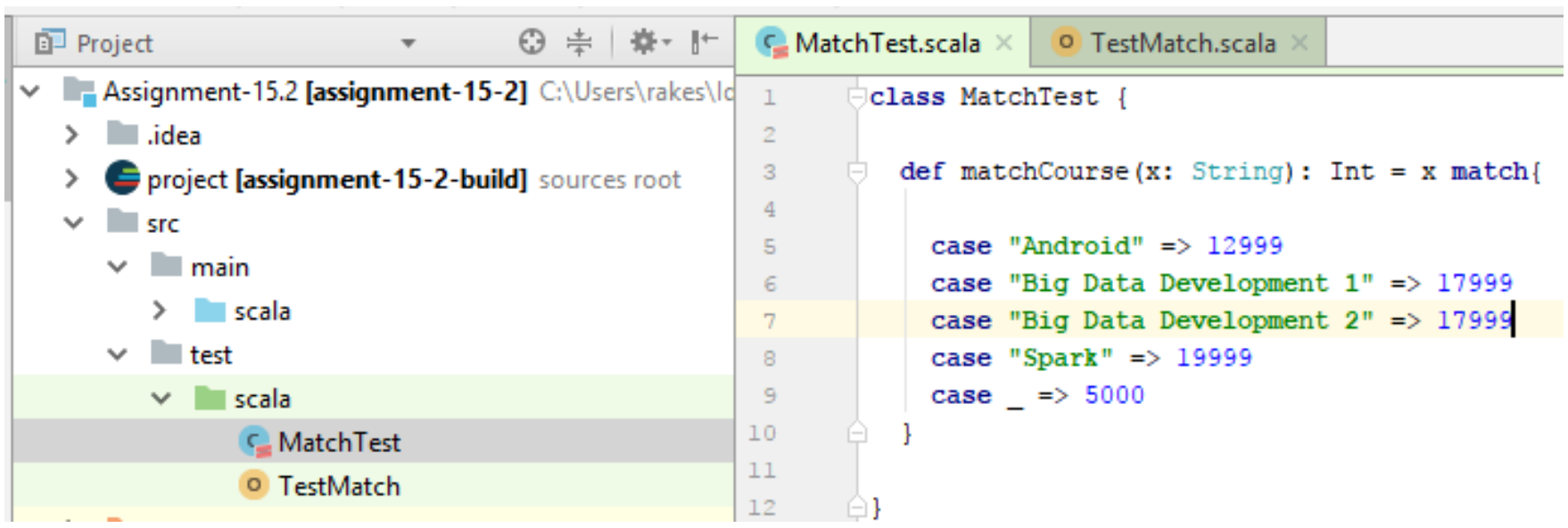


Problem Statement

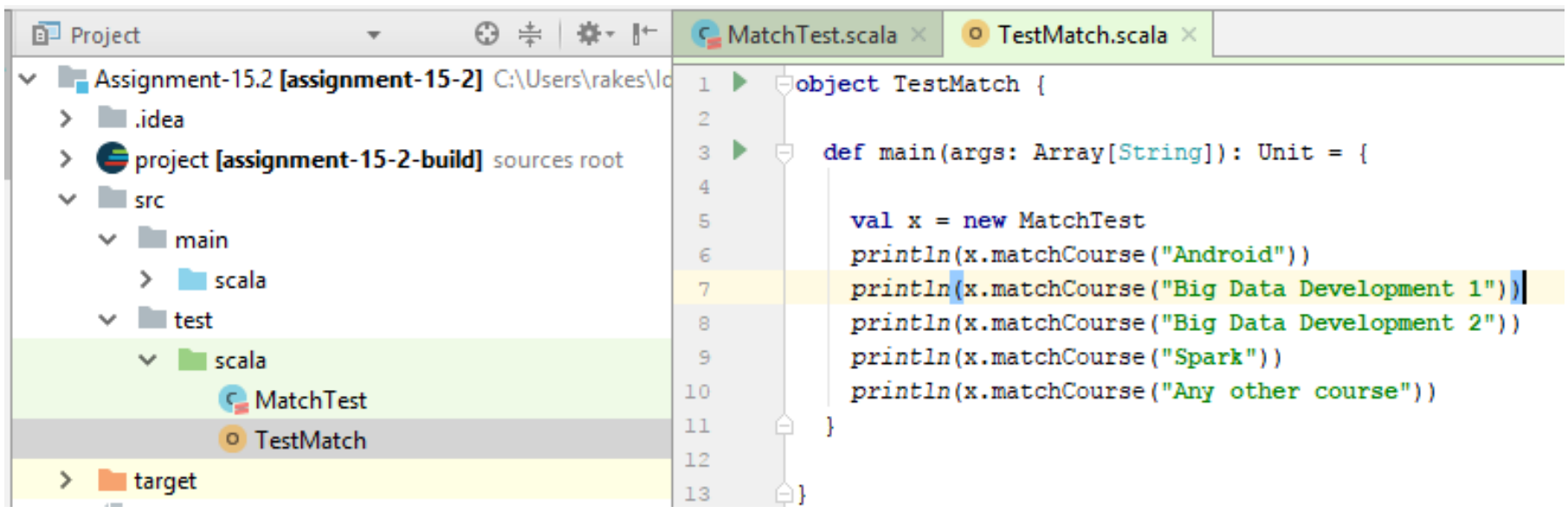
2. Write a program to print the prices of 4 courses of Acadgild: Android-12999,Big Data Development-17999,Big Data Development-17999,Spark-19999 using match and add a default condition if the user enters any other course.

Solution-

We have defined a class which contains a method for pattern matching which will take string as input which will be course name in our case and will give its price(Int) as output-



Below is the main method in which we are calling this method using course name and its corresponding price is getting generated-



Below is the output (course price) for the same-