**Module 2 Assignment**

**Question:**

HF consultancy wants to build a very simple commission-calculating calculator for their Admission agents.

Usually, the commission is **twenty-five percent of the tuition fee if the tuition is above twenty thousand dollars.**

But if the tuition fee **is above ten thousand dollars but less than twenty thousand dollars, the commission is twenty percent.**

If the tuition fee is **less than ten thousand dollars but greater than seven thousand dollars, the commission rate is fifteen percent.**

If the tuition fee is **below seven thousand dollars, the data will be invalid.**

As a developer please help HF Consultancy for building this simple calculator using a ternary operator in Php.

**Solution:**

**♦ For tuition fee above 20000 dollars.**

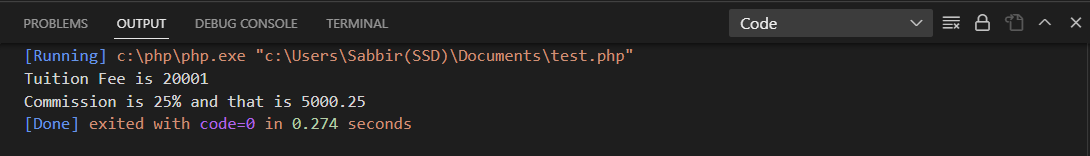
<?php

$tuitionFee = 20001;

$commission = $tuitionFee>20000 ? "Commission is 25% and that is ".($tuitionFee \* 25)/100 : ($tuitionFee>10000 && $tuitionFee<20000 ?  "Commission is 20% and that is ".($tuitionFee \* 20)/100 : ($tuitionFee>7000 && $tuitionFee<10000 ? "Commission is 15% and that is ".($tuitionFee \* 15)/100 : "Invalid Data"));

echo "Tuition Fee is "."$tuitionFee"."\n"."$commission";

**Output:**

****

**♦ For tuition fee above ten thousand dollars but less than twenty thousand dollars.**

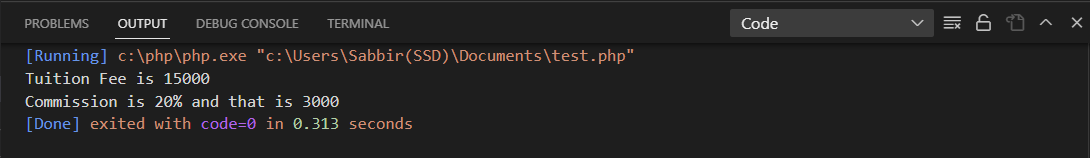
<?php

$tuitionFee = 15000;

$commission = $tuitionFee>20000 ? "Commission is 25% and that is ".($tuitionFee \* 25)/100 : ($tuitionFee>10000 && $tuitionFee<20000 ?  "Commission is 20% and that is ".($tuitionFee \* 20)/100 : ($tuitionFee>7000 && $tuitionFee<10000 ? "Commission is 15% and that is ".($tuitionFee \* 15)/100 : "Invalid Data"));

echo "Tuition Fee is "."$tuitionFee"."\n"."$commission";

**Output:**

****

**♦ For tuition fee less than ten thousand dollars but greater than seven thousand dollars.**

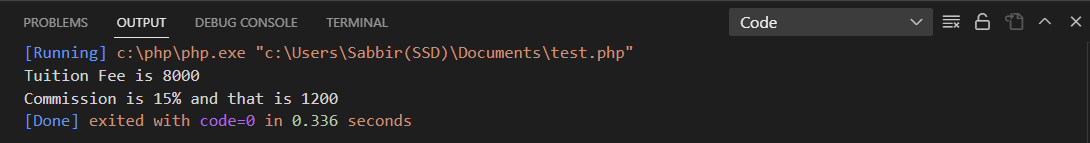
<?php

$tuitionFee = 8000;

$commission = $tuitionFee>20000 ? "Commission is 25% and that is ".($tuitionFee \* 25)/100 : ($tuitionFee>10000 && $tuitionFee<20000 ?  "Commission is 20% and that is ".($tuitionFee \* 20)/100 : ($tuitionFee>7000 && $tuitionFee<10000 ? "Commission is 15% and that is ".($tuitionFee \* 15)/100 : "Invalid Data"));

echo "Tuition Fee is "."$tuitionFee"."\n"."$commission";

**Output:**

****

**\*\* As exact 20k, 10k and 7k are not mentioned in the question so I ignored it. \*\***