PROGRAMMING FUNDAMENTALS ASSIGNMENT

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BSCS-B-MORNING

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QUESTION #1:

CODE AND OUTPUT:

```
main.cpp
  4 using namespace std;
  6 int main()
         int a,b,c;
        if ((a * a == b * b + c * c) || (b * b == a * a + c * c) || (c * c == a * a + b * b))
         cout << "The triangle is a right triangle" << endl;</pre>
         cout << "The triangle is not a right triangle" << endl;</pre>
 < 2 3
                                                              input
The triangle is a right triangle
...Program finished with exit code 0
Press ENTER to exit console.
```

QUESTION#2

CODE:

OUTPUT FILE:

```
main.cpp    cookies.txt :

1    Number of boxes needed: 6
2    Number of containers needed: 0
3    Number of leftover boxes needed: 6
4    Number of leftover cookies needed: 158
5
```

OUTPUT:

```
Enter the total number of cookies: 2222

Enter the number of cookies in a box: 344

Enter the number of boxes in the container: 55

...Program finished with exit code 0

Press ENTER to exit console.
```

QUESTION #3:

CODE:

CODE FOR FILE:

```
main_cpp_d input.txt : ddd

1 Fleinclude <iostream>
2 #include <fstream>
3 using namespace std;
4 int main() {
5 int seconds;
6 ofstream fout;
7 fout.open("input.txt");
8 fout<<seconds;
9 fout.close();</pre>
```

OUTPUT:

```
Years: 0
Months: 2
Days: 2
Hours: 2
Minutes: 27
Seconds: 10
Enter a year: 3444
3444 is a leap year.

...Program finished with exit code 0
Press ENTER to exit console.
```

FILE INPUT:

CODE# 4:

OUTPUT:

```
enter three coefficient a,b,c respectively :69

8

99

the equation has two complex roots
...Program finished with exit code 0

Press ENTER to exit console.
```