Program-11:

solution:

```
package PlanetExplorer;
public class calculateSurfaceArea{
public static double calculateSA(double radius)
{
          return (4*(3.142)*(radius)*(radius));
        }
}
package PlanetExplorer;
public class PlanetExplorer {
          public static void main(String[] args) {
                System.out.printf("%.2f",calculateSurfaceArea.calculateSA(3.0));
                }
}
```

Program-12:

Solution:

```
package heightConverter;
public class convertInchesToFeet {
         public static double convertFromInchesToFeet(double inches) {
                 return (inches/12.0);
        }
package heightConverter;
public class HeightApp {
         public static void main(String[] args) {
System.out.printf("%.2f",convertInchesToFeet.convertFromInchesToFeet(72.0));
/heightConverter/HeightApp.java - Eclipse IDE
earch Project Run Window Help

☑ convertInchesToFeet.java

☑ HeightApp.java ×
   1 package heightConverter;
   3 public class HeightApp {
         public static void main(String[] args) {
    System.out.printf("%.2f",convertInchesToFeet.convertFromInchesToFeet(72.0));
  8
9 }

    Problems @ Javadoc    Declaration    □ Console ×
 <terminated> HeightApp [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (08-Jul-2023, 4:46:40 pm – 4:46:40 pm) [pid: 4736]
```

Program-13:

Solution:

```
package financeCalculator;
public class FinanceCalculator {
         public double calculateSimpleInterest(double principal, double rate, double time)
                   return (principal*rate*time);
         }
package financeCalculator;
public class calculateSimpleInterest {
         public static void main(String[] args) {
         FinanceCalculator <a href="mailto:calculator">calculator</a> = new FinanceCalculator();
         System.out.printf("%.2f",calculator.calculateSimpleInterest(1000.0, 0.05, 2.0));
rc/financeCalculator/FinanceCalculator.java - Eclipse IDE
iearch Project Run Window Help
I ☑ FinanceCalculator.java × ☑ calculateSimpleInterest.java
   1 package financeCalculator;
     public class FinanceCalculator {
        public double calculateSimpleInterest(double principal, double rate, double time) {
    return (principal*rate*time);
   7 }

    Problems @ Javadoc    Declaration    □ Console ×

  <terminated> calculateSimpleInterest [Java Application] C\Program Files\Java\jdk-20\bin\javaw.exe (08-Jul-2023, 4:57:15 pm - 4:57:15 pm) [pid: 9176]
```

Program-14:

```
Solution:
```

```
package timeConverter;
public class ConvertToHours {
        public static double convertToHours(int minutes) {
                return (minutes/60.0);
package timeConverter;
public class TimeApp {
        public static void main(String[] args) {
                System.out.println(ConvertToHours.convertToHours(90));
        }
}
timeConverter/TimeApp.java - Eclipse IDE
Search Project Run Window Help
☐ ConvertToHours.java ☐ TimeApp.java ×
   1 package timeConverter;
   3 public class TimeApp {
         public static void main(String[] args) {
            System.out.println(ConvertToHours.convertToHours(90));
   9 }

    Problems @ Javadoc   □ Declaration □ Console ×

  <terminated> TimeApp [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (08-Jul-2023, 5:06:18 pm - 5:06:18 pm) [pid: 1476]
```

Program-15:

Solution:

```
Halving.java - Eclipse IDE
earch Project Run Window Help

| Window Frield | Window Help
| Halving.java × | HalvingApp.java | Package HalveIt;
| public class Halving {
| public static double halveTheNumber(double num) {
| return (num/2.0); | Package HalveIt | Public static double halveTheNumber(double num) {
| return (num/2.0); | Problems & Javadoc & Declaration | Console × |
```