Java Task Day 1

Task 1:

```java
import java.util.*;
public class Main{
    public static void main(String[]args){
        int a=10,b=5,c=15;
        System.out.println("Average:"+(a+b+c)/3);
    }
}
```

```
Average:10
```

Task 2:

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        int a=10;
        long b = (long) a;
        double c = (double) b;
        a = (int) c;
        System.out.println(a+" "+b+" "+c);
    }
}
```

```
10 10 10.0
```

Task 3:

```java
import java.util.*;

public class Main
{
    public static void main(String[] args) {
        Scanner sc = new Scanner (System.in);
        System.out.print("Principle%:");
        double principle = sc.nextDouble();
        System.out.print("Rate%:");
        double rate = sc.nextDouble();
        System.out.print("Time%:");
        double time = sc.nextDouble();
        double  Simple_intrest;
        Simple_intrest=(principle*rate*time)/100;
        System.out.println("Simple%:"+Simple_intrest);
    }
}
```

```
Principle%:50
Rate%:100
Time%:12
Simple%:600.0
```

Task 4:

```java
import java.util.*;

public class Main
{
    public static void main(String[] args) {
        Scanner num = new Scanner (System.in);
        System.out.print("Enter any number here!:");
        long a = num.nextLong();
        if(a>=Byte.MIN_VALUE && a<=Byte.MAX_VALUE){
        System.out.println("Its Byte!!!");
        }
        else if (a>=Short.MIN_VALUE && a<=Short.MAX_VALUE){
        System.out.println("Its Short!!!");
        }
        else if (a>=Integer.MIN_VALUE && a<=Integer.MAX_VALUE){
        System.out.println("Its int!!!");
        }
        else if (a>=Long.MIN_VALUE && a<=Long.MAX_VALUE){
        System.out.println("Its Long!!!");
        }
        else{
            System.out.println("Its Another data type!!!");
        }
    }
}
```

input

```
Enter any number here!:-152
Its Short!!!
```

Task 5:

```java
import java.util.*;
public class Main{
    public static void main(String[]args){
        Scanner sc=new Scanner (System.in);
        char a = sc.next().charAt(0);
        System.out.println("Ascii value:"+ (int)a);
    }
}
```

```
B
Ascii value:66
```

Task 6:

```java
import java.util.*;
public class Main{
    public static void main(String[]args){
        byte a =127;
        a = (byte) (a+2);
        System.out.println("Answer:" + a);
    }
}
```

input

Compiled Successfully. memory: 38016 time: 0.05 exit code: 0

```
Answer:-127
```

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc=new Scanner (System.in);
        int b = 1_000_0000;
        System.out.println("Answer:"+b);
        int a=130;
        byte c = (byte) a;
        System.out.println("Answer:"+c);
    }
}
```

```
Answer:10000000
Answer:-126
```

```java
Main.java    ⋮
 1  import java.util.*;
 2  public class Main
 3  {
 4      public static void main(String[] args) {
 5          Scanner sc=new Scanner (System.in);
 6          char a = 99;
 7          System.out.println("Answer:"+a);
 8      }
 9  }
```

```
Answer:c


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

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc=new Scanner (System.in);
        boolean b  = (10<5)==false;
        System.out.println("Answer:"+b);
    }
}
```

```
Answer:true


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

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc=new Scanner (System.in);
        char b = 66 + 1;
        System.out.println("Answer:"+b);
    }
}
```

```
Answer:C


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