

Java Task Day 1

Task 1:



The image shows a screenshot of a Java IDE. The top part is a code editor with a dark background. The file name 'Main.java' is visible in the top left corner. The code is as follows:

```
1 import java.util.*;
2 public class Main{
3     public static void main(String[] args){
4         int a=10,b=5,c=15;
5         System.out.println("Average:"+(a+b+c)/3);
6     }
7 }
```

Below the code editor is a toolbar with icons for running, debugging, and other IDE functions. At the bottom, there is a black console window displaying the output of the program:

```
Average:10
```

Task 2:

```
Main.java  ⋮
1  import java.util.*;
2  public class Main
3  {
4      public static void main(String[] args) {
5          int a=10;
6          long b = (long) a;
7          double c = (double) b;
8          a = (int) c;
9          System.out.println(a+" "+b+" "+c);
10     }
11 }
```

10 10 10.0

Task 3:

```
Main.java  ⋮
1  import java.util.*;
2
3  public class Main
4  {
5      public static void main(String[] args) {
6          Scanner sc = new Scanner (System.in);
7          System.out.print("Principle%:");
8          double principle = sc.nextDouble();
9          System.out.print("Rate%:");
10         double rate = sc.nextDouble();
11         System.out.print("Time%:");
12         double time = sc.nextDouble();
13         double Simple_intrest;
14         Simple_intrest=(principle*rate*time)/100;
15         System.out.println("Simple%:"+Simple_intrest);
16     }
17 }
```

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

Task 4:

```
Main.java
1 import java.util.*;
2
3 public class Main
4 {
5     public static void main(String[] args) {
6         Scanner num = new Scanner (System.in);
7         System.out.print("Enter any number here!:");
8         long a = num.nextLong();
9         if(a>=Byte.MIN_VALUE && a<=Byte.MAX_VALUE){
10             System.out.println("Its Byte!!!");
11         }
12         else if (a>=Short.MIN_VALUE && a<=Short.MAX_VALUE){
13             System.out.println("Its Short!!!");
14         }
15         else if (a>=Integer.MIN_VALUE && a<=Integer.MAX_VALUE){
16             System.out.println("Its int!!!");
17         }
18         else if (a>=Long.MIN_VALUE && a<=Long.MAX_VALUE){
19             System.out.println("Its Long!!!");
20         }
21         else{
22             System.out.println("Its Another data type!!!");
23         }
24     }
25 }
```

input

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

Task 5:

```
Main.java  ⋮
1 import java.util.*;
2 public class Main{
3     public static void main(String[]args){
4         Scanner sc=new Scanner (System.in);
5         char a = sc.next().charAt(0);
6         System.out.println("Ascii value:"+ (int)a);
7     }
8 }
```

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```
B
Ascii value:66
```

Task 6:

```
1 import java.util.*;
2 public class Main{
3     public static void main(String[]args){
4         byte a =127;
5         a = (byte) (a+2);
6         System.out.println("Answer:" + a);
7     }
8 }
```

input

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

Answer: -127

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         int b = 1_000_0000;
7         System.out.println("Answer:"+b);
8         int a=130;
9         byte c = (byte) a;
10        System.out.println("Answer:"+c);
11    }
12 }
```



Answer:10000000

Answer:-126

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.

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         boolean b = (10<5)==false;
7         System.out.println("Answer:"+b);
8     }
9 }
```



Answer:true

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

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 b = 66 + 1;
7         System.out.println("Answer:"+b);
8     }
9 }
```



Answer:C

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