

Name :-

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Subject :- OOPS

Lab Assignment 4

Problem 1

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PS C:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4> cd "c:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4\" ; if ($?) { javac S20230010193_Assignment4P1.java } ; if ($?) { java S20230010193_Assignment4P1 }
5
15
34
50
```

Problem 2

```
PS C:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4> cd "c:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4\" ; if ($?) { javac S20230010193_Assignment4P2.java } ; if ($?) { java S20230010193_Assignment4P2 }
Enter the value of r: 10
Enter the value of h: 10
Cube Volume: 1000.0
Cube Surface Area: 600.0
Sphere Volume: 4188.790204786391
Sphere Surface Area: 1256.6370614359173
Cylinder Volume: 3141.5926535897934
Cylinder Surface Area: 1256.6370614359173
Cone Volume: 1047.1975511965977
Cone Surface Area: 758.447559174816
```

Problem 3

```
PS C:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4> cd "c:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4\" ; if ($?) { javac S20230010193_Assignment4P3.java } ; if ($?) { java S20230010193_Assignment4P3 }
Enter value of radius: 10
The area of the circle is: 314.159265
Formatted Area: 0000314.16
```

Problem 4

```
PS C:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4> cd "c:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4\" ; if ($?) { javac S20230010193_Assignment4P4.java } ; if ($?) { java S20230010193_Assignment4P4 }
Method without parameters but with return type: 1000
Method with two parameters and a return type: 10
This method has no parameters and no return type.
Static method result: 6
Accessing instance variables: 999
```

Problem 5

```
PS C:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4> cd "c:\IIITS ASSIGNMENTS\Sem 3\OOPs\Assignment 4\" ; if ($?) { javac S20230010193_Assignment4P5.java } ; if ($?) { java S20230010193_Assignment4P5 }
Enter the data value
Enter a: 10
Enter b: 20
Enter c: 30
Enter d: 40
maximum element is 40
```