

编程题答案

拯救者课程系列专用,严禁免费分享或倒卖,一经发现,必将承担法律责任

麻花藤搜:250java ps:备注来意 ↩

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(Alibaba Group interview notice)

18:28

张J 您好!

欢迎您参加阿里巴巴集团的视频面试。

以下是您的面试安排具体信息:

如果秋招有需要,我亲自带你学,保中大厂offer。

QQ搜250java添加好友,具体细聊,备注秋招求带哦

第一题

```
1 interface ShapeArea{
2
3     double getArea();
4     double getPerimeter();
5 }
6 class Rectangle implements ShapeArea{
7     double width;
8     double height;
```

```
9
10     Rectangle(double w,double h){
11         width=w;
12         height=h;
13     }
14
15     public String toString(){
16         return
17         "width="+width+",height="+height+",perimeter="+
18         getPerimeter()+",area="+getArea();
19     }
20
21     public double getArea(){
22         return width*height;
23     }
24     public double getPerimeter(){
25         return 2*(width+height);
26     }
27 }
28 class Circle implements ShapeArea{
29     double r;
30     Circle(double r){
31         this.r=r;
32     }
33     public double getArea(){
34         return r*r*3.14;
35     }
36     public double getPerimeter(){
37         return 2*r*3.14;
38     }
39     public String toString(){
40         return "r="+r+",perimeter="+
41         getPerimeter()+",area="+getArea();
```

```
41     }
42
43 }
```

第二题

```
1  class Test3{
2      public static void main(String[] args) {
3          Scanner scanner=new Scanner(System.in);
4          int nextInt = scanner.nextInt();
5          int a=nextInt/100;  //153/100=1   ...53
6          int b=(nextInt/10)%10;  //15%10   5
7          int c=nextInt%10; //153%10   15...3
8          if(a*a*a+b*b*b+c*c*c==nextInt){
9              System.out.println("true");
10         }else{
11             System.out.println("false");
12         }
13     }
14 }
```

第三题

```
1  class Test3 {
2      public static void main(String[] args) {
3          Scanner scanner = new Scanner(System.in);
4          int score = scanner.nextInt();
5      }
```

```
6
7     if (score > 90) {
8         System.out.println("A");
9     } else if (score >= 80 && score < 90) {
10        System.out.println("B");
11    } else if (score >= 60 && score < 80) {
12        System.out.println("C");
13    } else if (score < 60) {
14        System.out.println("D");
15    }
16
17 }
18 }
```

第四题

```
1 class Test6 {
2     public static void main(String[] args) {
3         Student student1 = new Student(1, "张三", "男", 22,
4 99);
5         System.out.println(student1);
6         Student student2 = new Student(2, "李四", "男", 22,
7 22);
8         System.out.println(student2);
9
10        Student student3 = new Student(3, "王五", "男", 22,
11 33);
12        System.out.println(student3);
13
14        Student student4 = new Student(4, "赵六", "男", 22,
15 44);
16        System.out.println(student4);
17    }
18 }
```

```
13
14         Student student5 = new Student(5, "司马七", "男",
15         22, 55);
16         System.out.println(student5);
17         getAvg(student1, student2, student3, student4,
18         student5);
19         getMin(student1, student2, student3, student4,
20         student5);
21         getMax(student1, student2, student3, student4,
22         student5);
23
24     }
25
26     private static void getAvg(Student student1, Student
27     student2, Student student3, Student student4, Student
28     student5) {
29         System.out.println("平均值" + (student1.getsJava()
30         + student2.getsJava() + student3.getsJava() +
31         student4.getsJava() + student5.getsJava()) / 5);
32     }
33
34     private static void getMin(Student student1, Student
35     student2, Student student3, Student student4, Student
36     student5) {
37         int [] scores=new int[5];
38         scores[0]= student1.getsJava();
39         scores[1]= student2.getsJava();
40         scores[2]= student3.getsJava();
41         scores[3]= student4.getsJava();
42         scores[4]= student5.getsJava();
43         Arrays.sort(scores);
44         System.out.println("最小值"+scores[0]);
45     }
```

```
38 |
39 |     private static void getMax(Student student1, Student
    | student2, Student student3, Student student4, Student
    | student5) {
40 |         int [] scores=new int[5];
41 |         scores[0]= student1.getsJava();
42 |         scores[1]= student2.getsJava();
43 |         scores[2]= student3.getsJava();
44 |         scores[3]= student4.getsJava();
45 |         scores[4]= student5.getsJava();
46 |         Arrays.sort(scores);
47 |         System.out.println("最小值"+scores[4]);
48 |     }
49 | }
```

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