```java
import java.util.Scanner;

public class  Userchoice {

    public static void main(String[] args) {
        Scanner sc = new
Scanner(System.in);

        System.out.println("Choose an
option:");
        System.out.println("1. Check if a
number is even or odd");
        System.out.println("2. Find the grade
based on marks of 5 subjects");
        System.out.println("3. Find the cube
if a number is divisible by 5");
        System.out.println("4. Find the
greatest in 3 numbers");

        int choice = sc.nextInt();

        switch (choice) {
            case 1:
                System.out.println("Enter a
number:");
                int num = sc.nextInt();
                if (num % 2 == 0) {
                    System.out.println("The
number is even.");
                } else {
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                System.out.println("The
number is odd.");
                }
                break;
            case 2:
                System.out.println("Enter marks
of 5 subjects:");
                int[] marks = new int[5];
                for (int i = 0; i < 5; i++) {
                    System.out.println("Enter
marks for subject " + (i + 1) + ":");
                    marks[i] = sc.nextInt();
                }
                int totalMarks = 0;
                for (int mark : marks) {
                    totalMarks += mark;
                }
                int average = totalMarks / 5;
                if (average >= 90) {
                    System.out.println("Grade:
A+");
                } else if (average >= 80) {
                    System.out.println("Grade:
A");
                } else if (average >= 70) {
                    System.out.println("Grade:
B");
                } else if (average >= 60) {
                    System.out.println("Grade:
C");
                } else {
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                System.out.println("Grade: D");
            }
            break;
        case 3:
            System.out.println("Enter a number:");
            int cubeNum = sc.nextInt();
            if (cubeNum % 5 == 0) {
                int cube = cubeNum * cubeNum * cubeNum;
                System.out.println("Cube of " + cubeNum + " is: " + cube);
            } else {
                System.out.println("The number is not divisible by 5.");
            }
            break;
        case 4:
            System.out.println("Enter three numbers:");
            int num1 = sc.nextInt();
            int num2 = sc.nextInt();
            int num3 = sc.nextInt();
            int max= Math.max(Math.max(num1, num2), num3);
            System.out.println("The greatest number is: " + max);
            break;

        default:
            System.out.println("Invalid choice. Please choose a valid option.");
            break;
```

```
      }

   }

}
```

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