Writing Modular Programs

Workbook

Answer the following

1. What would be the output of the below code?

```java
public class Method_A {
    public static int methodA(int x, int y) {
        return (x + y);
    }
    public static void main(String args[]) {
        System.out.println(methodA(10, 20);
    }
}
```

```
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```

2. Explain your understanding about the below function?

```java
public int fun1(int num) {
    int s = 0;
    while (num > 0) {
        int x = num % 10;
        if (x % 2 == 0)
            s += x;
        num /= 10;
    }
    return s;
}
```

```
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```

3. Explain your understanding about the below function, and what it return if the argument value is 56?

```java
public boolean xyz(int n) {
    if (n % 2 != 0)
        return true;
    return false;
}
```

```
                                                            
```

4. What would be the output if the argument value is 220?

```java
public void displayFactors(int num) {
    System.out.println(''1'');
    for (int i = 2; i <= num / 2; i++) {
        if (num % i == 0)
            System.out.println(i);
    }
    System.out.println(num);
}
```

```
                                                            
```

5. What would be the output when called the below method by passing 67 as argument?

```java
public char getGrade(int avg) {
    if (avg >= 80)
        return 'A';
    if (avg >= 60)
        return 'B';
    if (avg >= 40)
        return 'C';
    return 'F';
}
```

```
                                                            
```

6. Write the body of the method, which returns the minimum value?

   public static int getMin(int a, int b, int c) {

```
                                                            
```

   }