### LetsUpgrade Java Essentials Assignment - 3

### **Questions 1:**

create a class avenger with

properties (name, age, power, weapon, planet) and with

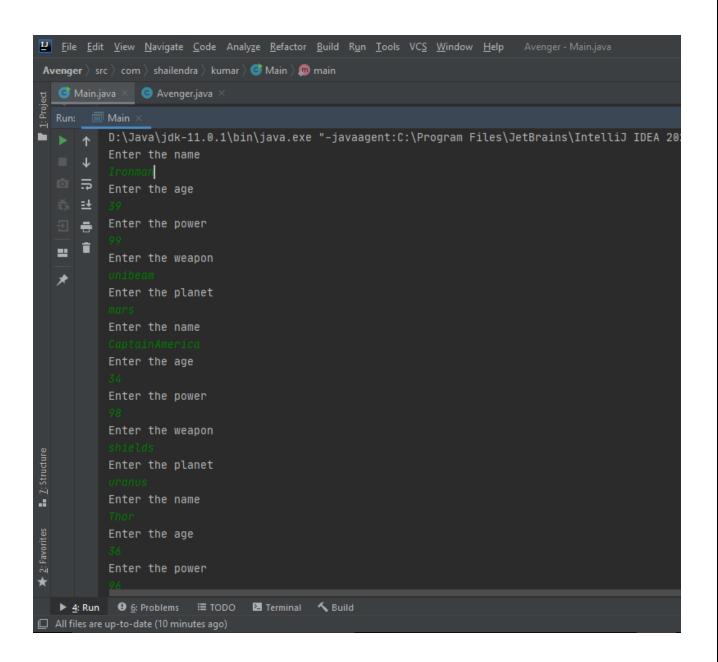
functions - getDetails() and displayDetails().

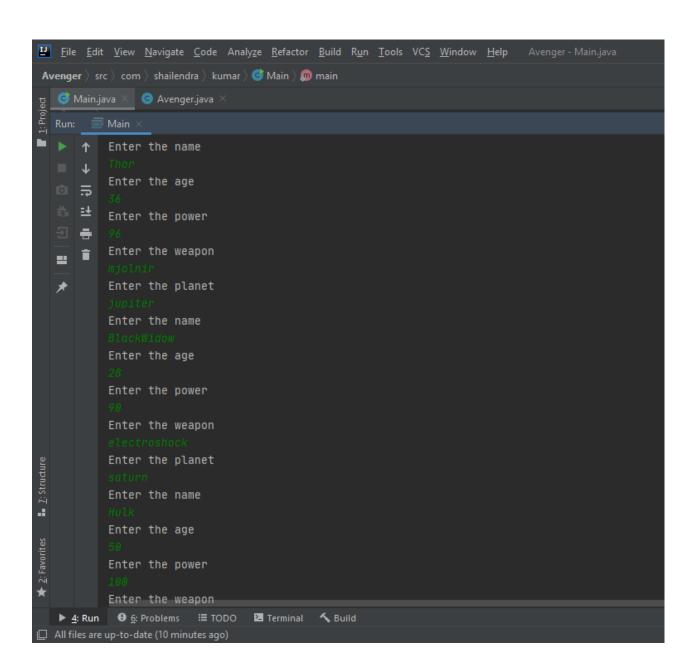
create 5 objects as an array in the main method and call.

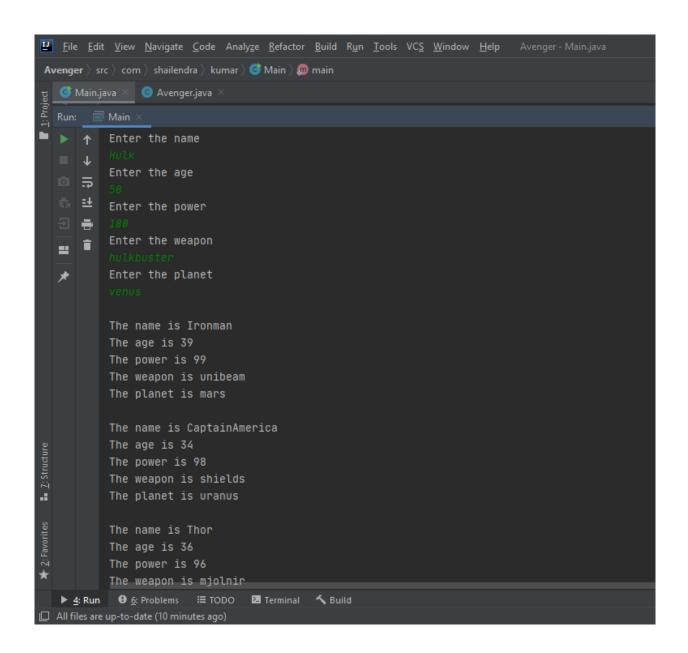
### **Answer:**

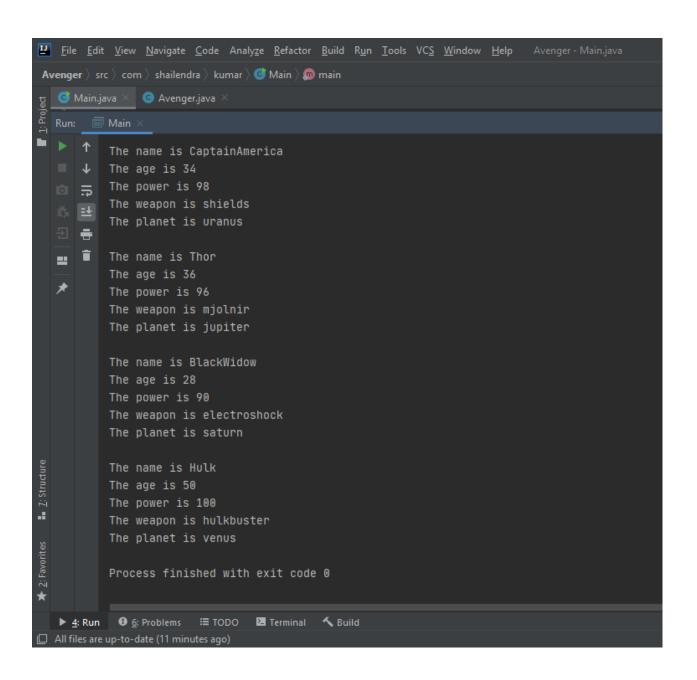
```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Avenger > src > com > shailendra > kumar > @ Main
 © Main.java × □ Avenger.java
           package com.shailendra.kumar;
               public static void main(String[] args) {
                    Avenger[] avengers=new Avenger[5];
                    for(int \underline{i}=0;\underline{i}<5;\underline{i}++)
                         avengers[i]=new Avenger();
                         avengers[i].getDetails();
                    for(int \underline{i}=0;\underline{i}<5;\underline{i}++)
                         avengers[<u>i</u>].displayDetails();
             All files are up-to-date (3 minutes ago)
```

```
🛂 <u>F</u>ile <u>E</u>dit <u>V</u>iew <u>N</u>avigate <u>C</u>ode Analy<u>ze R</u>efactor <u>B</u>uild R<u>u</u>n <u>T</u>ools VC<u>S W</u>indow <u>H</u>elp - Avenger - Avenger.java
© Main.java × © Avenger.java × package com.shailen
 Avenger > src > com > shailendra > kumar > © Avenger
             package com.shailendra.kumar;
                  Scanner sc=new Scanner(System.in);
                 public void getDetails(){
                       System.out.println("Enter the name");
                       age=sc.nextInt();
                       System.out.println("Enter the power");
                       System.out.println("Enter the weapon");
                       weapon=sc.next();
                       planet=sc.next();
 ¥ 2: Favorites
                  public void displayDetails(){
     ▶ 4: Run 🛛 6: Problems 🗯 TODO 🔼 Terminal 🔨 Build
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```









# **Questions 2:**

Create an int array with 5 values and print only odd values.

### **Answer:**

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File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help OddValue - Main.java
SIC / com ) shailendra ) ki

Sic / com ) shailendra ) ki
  OddValue > src > com > shailendra > kumar > @ Main
                  package com.shailendra.kumar;
                      public static void main(String[] args) {
                                oddValue.getData();
                                                           ■ Terminal
       ▶ <u>4</u>: Run III TODO ⊕ <u>6</u>: Problems
☐ Build completed successfully in 5 s 798 ms (a minute ago)
```

```
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STC / Com ) shailendra ) kun

© Main.java × © OddValue.java ×

1 package com.shailendr
  OddValue src com shailendra kumar GoddValue
                package com.shailendra.kumar;
              public void getData() {
                             int[] a = {15, 21, 8, 33, 20};
                      for (int \underline{i} = 0; \underline{i} < a.length; \underline{i}++) {
                          if (a[<u>i</u>] % 2 != 0) {
                                         System.out.println(a[i]);
 ¥ 2: Favorites ■ 7: Structure
      ▶ <u>4</u>: Run ≔ TODO 9 <u>6</u>: Problems ⊠ Terminal
☐ Build completed successfully in 5 s 798 ms (a minute ago)
```

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🖳 <u>F</u>ile <u>E</u>dit <u>V</u>iew <u>N</u>avigate <u>C</u>ode Analy<u>z</u>e <u>R</u>efactor <u>B</u>uild R<u>u</u>n <u>T</u>ools VC<u>S W</u>indow <u>H</u>elp   OddValue - OddValue.java
 OddValue > src > com > shailendra > kumar > @ OddValue
for (int \underline{i} = 0; \underline{i} < a.length; \underline{i} + +) {
                             if (a[<u>i</u>] % 2 != 0) {
                                  System.out.println(a[i]);
              D:\Java\jdk-11.0.1\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2020
              Odd Values:
         Ψ
              Process finished with exit code 0
    ▶ <u>4</u>: Run ∷ TODO 9 <u>6</u>: Problems
                                            ☑ Terminal 🤸 Build
```

# **Questions 3:**

Create an int array of size 5, take all the values from the user, add all the values and print the sum.

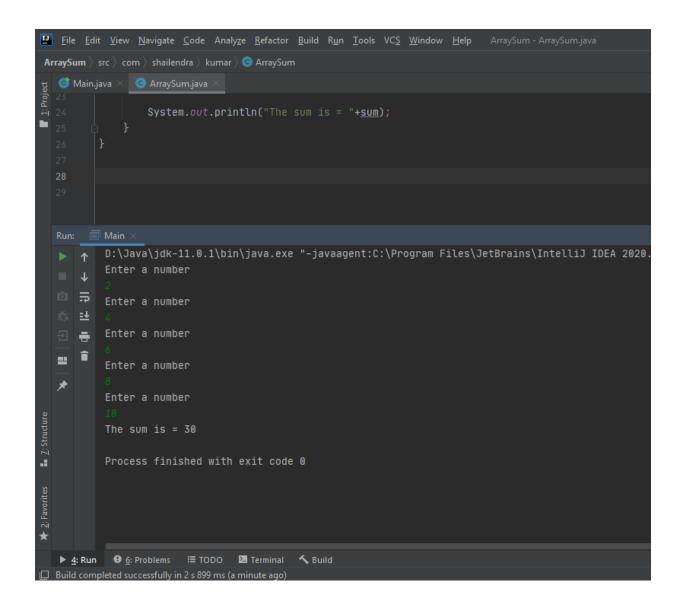
### **Answer:**

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help ArraySum - Main.java
© Main.java × © ArraySum.java

1 package com.shailen

2
 ArraySum > src > com > shailendra > kumar > © Main
                  public static void main(String[] args) {
                       ArraySum arraySum=new ArraySum();
                       arraySum.take_input();
     ▶ <u>4</u>: Run
                ⊕ <u>6</u>: Problems
                                          ■ Terminal
■ Build completed successfully in 3 s 38 ms (a minute ago)
```

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help ArraySum - ArraySum.java
ArraySum > src > com > shailendra > kumar > @ ArraySum
📮 1: Proje
          package com.shailendra.kumar;
              public void take_input(){
                  int[] numbers= new int[5];
                  int sum=0;
                  for (int i=0; i<5; i++){
                      Scanner sc=new Scanner(System.in);
                      numbers[<u>i</u>]=sc.nextInt();
                      \underline{sum} = \underline{sum} + numbers[\underline{i}];
                  System.out.println("The sum is = "+sum);
            Build completed successfully in 3 s 38 ms (3 minutes ago)
```



By Shailendra Kumar

Part of LetsUpgrade Family