Worksheet – 1

Student Name: Parwinder Kaur   **UID: 23MCI10248**
Branch: MCA-AIML   **Section/Group: 23MAM-2/B**
Semester: 2   **Date: 19/01/2024**
Subject Name: Mobile Application Development   **Code: 23CAH-552**

Aim: **Write a program of Kotlin to Check if An Array Contains a given numbers.**

Steps:

1. They are stored in contiguous memory locations.
2. They can be accessed programmatically through their indexes(array[1], Array[0], etc.)
3. They are mutable.
4. Their size is fixed.

Code:

```kotlin
fun main()
{
    var a= arrayOf(1,2,3,4,5,6)
    var flag:Boolean=false
    for(i in 0 .. a.size-1)
    {
        if(a[i]==4) {
            flag = true
        }
    }
    if(flag == true){
        print("element found")
    }
}
```

Output:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Com
element found
Process finished with exit code 0
```

Learning Outcomes:

1. I have learned how to check array numbers in Kotlin.

2. I have learned how to search a number in Array.

3. I have learned how to use the Boolean result in Kotlin.

4. I have learned how to use the flag as represent result in Kotlin.