Mobile programing Namratha Jagadeesh 1199011

Question 1:

Create a calculator app that can perform addition, subtraction, multiplication, and division. You must use the When statement.

MainActivity.kt

```
package com.example.mykotlinapp
import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.EditText
import android.widget.Spinner
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
class MainActivity : AppCompatActivity(), View.OnClickListener {
  lateinit var etB: EditText
  lateinit var res: TextView
  override fun onCreate(savedInstanceState: Bundle?) {
      super.onCreate(savedInstanceState)
      enableEdgeToEdge()
      setContentView(R.layout.activity main)
      ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v,
insets ->
           val systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars())
          v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom)
      etB = findViewById(R.id.et b)
      res = findViewById(R.id.result)
      spinner=findViewById(R.id.spinner operations)
```

```
btn.setOnClickListener(this)

}

override fun onClick(v: View?) {
    var a=etA.text.toString().toDouble()
    var b=etB.text.toString().toDouble()
    var result=0.0
    when(spinner.selectedItem.toString()) {
        "add"->{result=a+b}
        "sub" ->{result=a-b}
        "mul" ->{result=a-b}
        "div" ->{result=a/b}
    }

    res.text="Result is $result"
}
```

Activity_main.xml

```
<TextView
    android:id="@+id/result"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="result"
    android:textSize="15sp"
    android:gravity="center"
    android:layout_margin="20dp"
    />

<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Submit" />
</LinearLayout>
```

OUTPUTS:



