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Q1:

```
iobject calculator {
    def main(args:Array[String]):Unit={
        var choice = 2
        do{
            print("Enter first number : ")
        val a = scala.io.StdIn.readInt()
        println("Choose one option : ")
        println("Choose one option : ")
        println("1. Addition")
        println("2. Subtraction")
        println("4. Division")
        println("4. Division")
        println("5. Exit")
        choice = scala.io.StdIn.readInt()
        choice match {
            case 1=>println(s"$a + $b = ${a+b}")
            case 2=>println(s"$a * $b = ${a+b}")
            case 4=>println(s"$a / $b = ${a/b}")
            case 4=>println(s"$a / $b = ${a/b}")
            case 4=>println(s"$a / $b = ${a/b}")
            case 2 => println(s"$a / $b = ${a/b}")
            case 3 => println(s"$a / $b = ${a/b}")
            case 4 => println(s"$a / $b = $a/b}")
            case 4 => println(s"$a / $b = $
```

Q2:

Q3:

```
object third {
 val FtoC = (F:Float) => (F-32)*5/9
 val ItoM=(I:Float)=>I*0.0254
                                                              1. Fahrenheit to Celsius
 val YtoD=(Y:Int)=>Y*365
                                                              2. Inches to Meters
                                                          ÷
                                                          î
   println("2. Inches to Meters")
   println("3. Year to number of days")
                                                      ==
       val F = scala.io.StdIn.readFloat()
       val C = FtoC(F)
     case 2=>{
       println(s"${I} inches = $M m")
     case 3=>{
```

Q4:

```
object power {
    def main(args:Array[String]): Unit = {
        print("Enter a number : ")
        val num = scala.io.StdIn.readInt()
        println(s"$num ^ 2 = ${scala.math.pow(num,2)}")
        println(s"$num ^ 3 = ${scala.math.pow(num,3)}")
        println(s"$num ^ 4 = ${scala.math.pow(num,4)}")
    }
}

Process finished with exit code 0
```