

ASSIGNMENT 14

CODE:

```
package aknew

object scnew {
  def main(args: Array[String]) {
    var a :List[String]=List("alpha","gamma","omega","zeta","beta")
    var d=0
    for(i<-a)
    {
      var k=i.length();
      if(k==4)
      d=d+1;
    }
    println("Number of words with length 4 is:"+d);
    var m:Map[String,Int]=Map()
    var cm=a.head
    var t=cm.length()
    var m1=Map(cm->t)
    for(i<-a)
    {
      var k=i.length()
      m1=m1+(i->k)
    }
    m1.keys.foreach{i=>println(i+" "+m1(i))}
    var count=0;
    for(i<-a)
    {
      var k=i.length()
      var t=0;
      while (t<k)
      {
        var c=i.charAt(t)

        if(c=='m')
        {
          count=count+1;
          t=k-1
        }
        t=t+1
      }
    }
    println("Number of words with alphabet 'm' is:"+count)
    var count2=0;
    for(i<-a)
    {
```

```

        var c=i.charAt(0)
        if(c=='a')
            count2=count2+1;
    }
    println("Number of words starting with alphabet 'a' is:"+count2)
}
}

```

OUTPUT:

```

Number of words with length 4 is:2
alpha 5
omega 5
zeta 4
beta 4
gamma 5
Number of words with alphabet 'm' is:2
Number of words starting with alphabet 'a' is:1

```

TASK 2:

CODE:

```

package aknew

object scnew {
    def main(args: Array[String]) {
        var count=0;
        var count2=0;
        var m:Map[Int,String]=Map()
        var m1=Map(1->"alpha",2->"beta",3->"gamma",4->"zeta",5->"omega")
        m1.values.foreach{i1=>
            var k=i1.length()
            if(k==4)
                count=count+1;
            var t=0;
            while(t<k)
            {
                var c=i1.charAt(t)
                if(c=='m' || c=='z')
                {
                    count2=count2+1
                    t=k-1
                }
                t=t+1
            }
        }
        println("Number of words with length 4:"+count)
        println("Number of words alphabet m or z:"+count2)
    }
}

```

```
}
```

OUTPUT:

```
Number of words with length 4:2  
Number of words alphabet m or z:3
```