Name: Puranjay Singh

Roll No.: 102003384

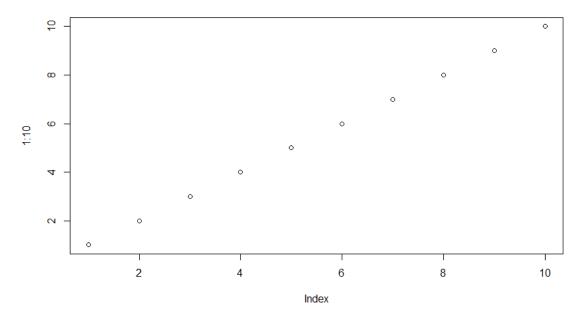
Subgroup: 3CO9

ASSIGNMENT 1

```
1. c < c(5,10,15,20,25,30)
   print(c)
   print(max(c))
   print(min(c))
          5 10 15 20 25 30
     [1] 30
          int(min(c))
2. n = as.integer(readline(prompt="Enter a number: "))
   fact = 1
   if(n < 0) {
     print("Negative number")
   } else {
    for(i in 1:n) {
      fact = fact * i
     print(fact)
    [1] 5040
3. n = as.integer(readline(prompt="Enter a number: "))
   if(n < 0) {
    print("Negative number")
    } else {
    a=0
     b=1
    print(a)
     print(b)
     for(i in 1:(n-2)) {
      c=a+b
      a=b
      b=c
      print(c)
```

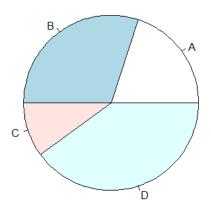
```
}
4. add \leftarrow function(x, y) {
     return (x + y)
    subtract <- function(x, y) {</pre>
     return (x - y)
    multiply <- function(x, y) {
     return (x * y)
    divide < -function(x, y) {
     return (x / y)
    print("1.Add")
   print("2.Subtract")
   print("3.Multiply")
    print("4.Divide")
   c = as.integer(readline(prompt="Enter choice: "))
    n1 = as.integer(readline(prompt="Enter first number: "))
    n2 = as.integer(readline(prompt="Enter second number: "))
    ans <- switch(
     c,
     '1' = add(n1,n2),
     '2' = subtract(n1,n2),
     '3' = multiply(n1,n2),
     '4' = divide(n1,n2)
   )
    print(ans)
     [1] 5
```

5. plot(1:10)



x <- c(20, 30, 10, 40) labels <- c("A", "B", "C", "D") pie(x,labels,main = "Pie Chart")

Pie Chart



data <- c(10,20,30,15,5,45,50) barplot(data)

