

## Practical 7

**Aim: Practical Implementation of Decision Tree using R Tool.**

**Code:**

```
library(party)

print(head(readingSkills))

input.dat <- readingSkills[c(1:105),]

png(file = "decision_tree.png")

output.tree <- ctree(nativeSpeaker ~ age + shoeSize + score,data = input.dat)

plot(output.tree)

dev.off()
```

**Output :**

	nativeSpeaker	age	shoeSize	score
1	yes	5	24.83189	32.29385
2	yes	6	25.95238	36.63105
3	no	11	30.42170	49.60593
4	yes	7	28.66450	40.28456
5	yes	11	31.88207	55.46085
6	yes	10	30.07843	52.83124

```
null device
      1
```

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Subject: Business Intelligence and Data Analytics

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```
Loading required package: methods
Loading required package: grid
Loading required package: mvtnorm
Loading required package: modeltools
Loading required package: stats4
Loading required package: strucchange
Loading required package: zoo
```

Attaching package: 'zoo'

The following objects are masked from 'package:base':

as.Date, as.Date.numeric

```
Loading required package: sandwich
```

