



R Assignment Conditional Statements

If ... Else, Switch

1. Write a program to input percentage and get the grade according to following:

Percentage \geq 90% : Grade A
Percentage \geq 80% : Grade B
Percentage \geq 70% : Grade C
Percentage \geq 60% : Grade D
Percentage \geq 40% : Grade E
Percentage $<$ 40% : Grade F

Hint:

```
if(Percentage >= 90){  
    print("Grade A")  
} else if (Percentage >= 80){  
    print("Grade B")  
}
```

2. Write a program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary \leq 10000 : HRA = 20%, DA = 80%
Basic Salary \leq 20000 : HRA = 25%, DA = 90%
Basic Salary $>$ 20000 : HRA = 30%, DA = 95%

Hint:

Basic_Salary=8000 (input salary)

```
if(Basic_Salary <= 10000){  
    gross_salary=Basic_Salary+Basic_Salary*0.20+Basic_Salary*0.80
```

```
cat("Your gross salary is",gross_salary)
}else if{
```

```
.....
```

```
}
```

3. Prepare a code to display the name of the day, based on the value of day, using the switch statement. it declares a Numeric day whose value represents a day (1-7).

```
day=2 (input day)
```

```
switch(day,"Monday","Tuesday".....)
```