```
#module 1 2 and 3
sal=as.integer(readline("Enter ur salary"))
n=as.integer(readline("Enter years of service"))
if (n>6){
  bon=sal*0.12
  paste("Bonus:",bon,"Total Salary: ",sal+bon)
}else{
  paste("You got no bonus sorry. Salary:",sal)
}
```

> Enter ur salary100
> Enter years of service8
> 'Bonus: 12 Total Salary: 112'

```
install.packages("ggplot2")
```

> Installing package into '/usr/local/lib/R/site-library'
> (as 'lib' is unspecified)

```
lst=c()
even=c()
odd=c()
n=as.integer(readline("Enter no of elements:"))
for (i in seq(n)){
  lst[i]=as.numeric(readline("Enter element no"))
    }
paste(lst)
for (i in seq(n)){
  if(lst[i] %% 2!=0){
    odd=append(odd,lst[i])
  }else{
    even=append(even,lst[i])
  }
}
paste(even)
paste(odd)
```

> Enter no of elements:3
> Enter element no1
> Enter element no2
> Enter element no3
> '1' · '2' · '3'
> '2'
> '1' · '3'

```
a=function(name,id,branch,sub='ml'){
  paste("Name: ",name,"Id:",id,"Subject:",sub,"Branch:",branch)
}
n=readline("Enter name:")
i=readline("Enter Unique ID:")
sub=readline("Enter subject")
b=readline("Enter branch")
if (sub==''){
  a(n,i,b)
}else{
  a(n,i,b,sub)
}
```

> Enter name:3
> Enter Unique ID:abc
> Enter subject
> Enter branchchromepet
> 'Name: 3 Id: abc Subject: ml Branch: chromepet'

```
install.packages("stringr")
```

> Installing package into '/usr/local/lib/R/site-library'
> (as 'lib' is unspecified)

```
library(stringr)
```

```
no=readline("Enter phone no")
pattern="[7-9]{1}\\d{9}\\b"
if(grepl(pattern,no)){  #grepl return boolean value
  print("valid")
  print(grep(pattern,no,value=TRUE)) #grep returns index or value
}else{
```

```
  print("not valid")
}
```

```
      Enter phone no9080993208.
      [1] "valid"
      [1] "9080993208."
```

```r
#executing one statement from more than 1 conditions use - switch
model=c('a','b','c')
color=c("red","white","blue")
cost=c(123,456,789)
case=as.integer(readline("enter ur choice\n1.Model\n2.Color\n3.Cost\n"))
switch(case,model,color,cost)
```

```
      enter ur choice
      1.Model
      2.Color
      3.Cost
      3
      123 · 456 · 789
```

```r
lst=c("www.zframez.com","www.wikipedia.org","www.asp.net","www.abcd.in")

str_extract_all(lst,'\\.\\w+$')#end character $
```

```
      1. '.com'
      2. '.org'
      3. '.net'
      4. '.in'
```

```r
lst=c('the url is www.google.com. it is also www.asp.in and www.google.org')
str_extract_all(lst,'[.]\\w{2,3}')#end character $
```

```
      1. '.goo' · '.com' · '.asp' · '.in' · '.goo' · '.org'
```