



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

— Deemed to be University U/S 3 of the UGC Act, 1956 —

DA LAB 3

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Branch – Information Technology

Code –

1.

```
rev = 0
n = as.integer(readline(prompt = "Enter a number :"))
```

```
last = n %% 10
```

```
while (n > 0) {
  r = n %% 10
  rev = rev * 10 + r
  n = n %/% 10
}
```

```
fd = rev %% 10
print(paste("first digit = ", fd))
print(paste("last digit = ", last))
```

2.

```
v <- c(1, 2, 3, 4, 5)
print(any(v == 9))
print(any(v == 3))
```

3.

```
v <- c(1, 2, 3, 4, 5)
print(any(is.na(v)))
print(any(is.nan(v)))
print(any(v == Inf))
print(any(v == -Inf))
```

4.

```
vec <- 1:5
vec2 <- -5:1
vec_new <- c(vec, vec2)
```

```
print(vec_new)
```

5.

```
vec_625 = seq(from = 1, to = 21, by = 5)
```

```
print(vec_625)
```

Output -

```
R 4.1.2 · ~/
> source("C:/Users/KIIT/Desktop/Year 3/DA LAB/LAB 3/Q1.R")
Enter a number :625
[1] "first digit = 6"
[1] "last digit = 5"
> source("C:/Users/KIIT/Desktop/Year 3/DA LAB/LAB 3/Q2.R")
[1] FALSE
[1] TRUE
> source("C:/Users/KIIT/Desktop/Year 3/DA LAB/LAB 3/Q3.R")
[1] FALSE
[1] FALSE
[1] FALSE
[1] FALSE
> source("C:/Users/KIIT/Desktop/Year 3/DA LAB/LAB 3/Q4.R")
[1] 1 2 3 4 5 5 4 3 2 1
> source("C:/Users/KIIT/Desktop/Year 3/DA LAB/LAB 3/Q5.R")
[1] 1 6 11 16 21
> |
```