

DA LAB 1

**Name –** Pushkal Mondal

**Roll no. –** 1906625

**Branch –** Information Technology

**Code –**

1.1

str <- "Example"

print(str)

print(typeof(str))

num <- 24.2

print(num)

print(typeof(num))

vec <- c(0,1,2,3)

print(vec)

rm(list = ls())

1.2

str <- "Example"

cat("str is a ", class(str),"\n")

num <- 24.2

cat("num is a ", class(num),"\n")

vec <- c(0,1,2,3)

cat ("vec is a ", class(vec), "\n")

rm(list = ls())

bool <- TRUE

cat ("bool is a ", class(bool),"\n")

1.3

name <- "Pushkal"

roll <- "1906625"

branch <- "IT"

print(name)

print(roll)

print(branch)

1.4

num1 <- 42

num2 <- 5

print(num1 + num2)

print(num1 - num2)

print(num1 \* num2)

print(num1 / num2)

1.5

x1 <- c(1:10)

x2 <- c(2:11)

print(setequal(x1, x2))

1.6

vec1 <- c(1, 0, 1, 0, 1, 1)

vec2 <- c(1, 1, 1, 1, 0, 1)

print (vec1 \* vec2)

1.7

x <- c("h", "e", "l", "l", "o")

print(paste(x, collapse = ""))

1.8

x <- c(2:10)

print(length(x))

x = x\*3

y <- c(1:9)

print (x + y)

1.9

vec1 <- c(82, 41, 20 , 99, 101, 22, 92)

print(vec1[ vec1>80 & vec1<100 ])

vec2 <- c("word", "find", "hello", "no")

print(vec2[vec2 == "find"])

**Output -**

