 **NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY**

**(An Institution of National Importance under MHRD, Govt. of India)**

**KARAIKAL – 609 609**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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| **Subject Code:** | CS305 | **Subject Name:** | UNIX PROGRAMMING |

**EXERCISE 8**

**Date: 16.11.2021**

**AIM:** Write shell scripts for the following:

Find a year is leap year or not.

Find a number is odd or even.

Find grade of a student given is percentage.

**PROGRAM:**

1. Year is leap year or not:

echo Enter year to be checked:

read year

if [ `expr $year % 400` -eq 0 ]

then

echo $year is a leap year.

elif [ `expr $year % 100` -eq 0 ]

then

echo $year is not a leap year.

elif [ `expr $year % 4` -eq 0 ]

then

echo $year is a leap year.

else

echo $year is not a leap year.

fi

1. Find a number is odd or even.

echo "Enter number to be checked:"

read NUMBER

if [ `expr $NUMBER % 2` == 0 ]

then

echo "$NUMBER is even."

else

echo "$NUMBER is odd."

fi

1. Find grade of a student given is percentage.

echo "Enter percentage:"

read PERCENTAGE

if [[ $PERCENTAGE -ge 90 && $PERCENTAGE -le 100 ]]

then

echo "Grade: S"

elif [[ $PERCENTAGE -ge 80 && $PERCENTAGE -le 89 ]];

then

echo "Grade: A"

elif [[ $PERCENTAGE -ge 70 && $PERCENTAGE -le 79 ]];

then

echo "Grade: B"

elif [[ $PERCENTAGE -ge 60 && $PERCENTAGE -le 69 ]];

then

echo "Grade: C"

elif [[ $PERCENTAGE -ge 50 && $PERCENTAGE -le 59 ]];

then

echo "Grade: D"

elif [[ $PERCENTAGE -ge 40 && $PERCENTAGE -le 49 ]];

then

echo "Grade: E"

else

echo "Grade: F"

fi

**OUTPUT:**





