SSN College of Engineering

Department of IT - A Section

Submission Deadline: 06.11.2022

Ex.No. 03

Create a Date package to do the following in different modules

Date Module

- Create and display dates

Current module which may helpful in getting

- Current time
- Current date default return format dd.mm.yyyy
- Current date in different formats mm.dd.yyyy
- Current date in string format

Convert Module has the following operations

- Convert_hrs_days(#hours)
- Convert_days_hours(#days)
- Convert_man_hrs_days(#hours)

Validity Module has the following operations

- IsValid(Time)
- IsValid(Date)

Difference Module

- DifferenceWithCurrent(Date)
- Difference(Date1,Date2)
- DaysAfter(#days)
- DaysBefore(#days)
- MonthAfter(#Months)
- MonthBefore(#Month)

Create Application to receive the personal details from a student for a competitions for under 17 Age category. Check the age using the packages and accept only the children of age 17 or less. The registration is valid for 6 month. When person shows the registration details, check and display, whether its valid today, with respect to age and registration Date.

(Odd - register numbered students)

2. Create Text Package

Store a random paragraph in a file.

Implement the following in different modules

- IsExists(Word)
- Frequency(Word)
- Numbers_Text(string)
- Text_Numbers(#)

(Even - register numbered students)

Implement a Distance Pack

Have distance of different objects in different modules like Vector(n dimension points), Complex, Objects with centroid function, Numbers(Integer,float..), String