Calendar Generator

Submitted in fulfillment of the requirements

Of micro-project

Python

By

Yash Amberkar

ROLL NO:- 06

ENROLLMENT NO:- 1709640090

SUBJECT INCHARGE

Mrs. Smita Kuldiwar

Department of Computer Engineering

Academic Year 2019-2020

SARASWATI Education Society's

SARASWATI Institute of Technology

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Kharghar, Navi Mumbai - 410 210.

CERTIFICATE

This is to certify that the microproject

"Calendar Generator"

is done by

“Yash Amberkar”

“Python”

is submitted for

for

the diploma in Computer Engineering to the

Maharashtra State Board of Technical Education, Mumbai

(Autonomous) (ISO-9001-2008) (ISO/IEC 27001:2013)

Subject In-charge	Head of Department
(Mrs. Smita Kuldiwar)	(Mrs. Manisha Patil)

Calendar Generator

Aim

Make a python program for the Calendar Generator. This application cane generate calendar, with current date and time.

Course Outcomes

1. Display message on screen using Python script on IDE.
2. Develop functions for given problem.

Proposed Methodology

- First, Search the topic for which you want to make a project, and then proposed it to the Subject In-charge.
- After finalizing the topic, start gathering the information about your project.
- For Program Execution, write the source code of your program on PyCharm and execute it.
- Now, it's time to make a report of your Selected Project.

Action Plan

Sr. No.	Detail of activity	Plan Start Date	Plan Finish Date
1.	Searching of Topic	13-12-2019	20-12-2019
2.	Gathering information	23-12-2019	13-01-2020
3.	Execution of Program	15-01-2020	07-02-2020
4.	Report Making	10-02-2020	02-03-2020

Resources Required

	Name of Resources	Specification	Qty.	Remark
1.	Computer	Intel i3, 4GB RAM or above	1	-
2.	MS-Word	Office 2007 or above	1	-
3.	Android IDE	Version 3.0 or above	1	-

Team Members

Name	Roll No
Yash Amberkar	06

Subject In-charge

Mrs. Smita Kuldiwar

Calendar Generator

Rationale

Python defines an inbuilt module calendar which handles operations related to calendar.
Calendar module allows output calendars like the program and provides additional useful functions related to the calendar. Functions and classes defined in Calendar module use an idealized calendar, the current Gregorian calendar extended indefinitely in both directions. By default, these calendars have Monday as the first day of the week, and Sunday as the last (the European convention).

Aim

Make a python program for the Calendar Generator. This application cane generate calendar, with current date and time.

Course Outcomes

1. Display message on screen using Python script on IDE.
2. Develop functions for given problem.

Literature

Python was conceived in the late 1980s by Guido van Rossum at Centrum Wiskunde & Informatica (CWI) in the Netherlands as a successor to the ABC language (itself inspired by SETL),[35] capable of exception handling and interfacing with the Amoeba operating system.[8] Its implementation began in December 1989. Van Rossum shouldered sole responsibility for the project, as the lead developer, until July 12, 2018, when he announced his "permanent vacation" from his responsibilities as Python's Benevolent Dictator for Life, a title the Python community bestowed upon him to reflect his long-term commitment as the project's chief decision-maker. He now shares his leadership as a member of a five-person steering council. In January, 2019, active Python core developers elected Brett Cannon, Nick Coghlan, Barry Warsaw, Carol Willing and Van Rossum to a five-member "Steering Council" to lead the project.

Actual Methodology Followed

Topic	Work Done	Data	Work Done By
1.	Searching of Topic	(Snake Game, Calculator, Calendar Generator)	Yash Amberkar
2.	Gathering of Information	(Rationale, Aim, Applications, etc.)	Yash Amberkar
3.	Execution of Program	1.Install Python 2.Install PyCharm 3.Run the application	Yash Amberkar
4.	Report Making		Yash Amberkar

Resources Required

Sr. No.	Name of Resources	Specification	Qty.	Remark
1.	Computer	Intel i3, 4GB RAM or above	1	-
2.	MS-Word	Office 2007 or above	1	-
3.	PyCharm	2019.3.3	1	-

Program code for Calendar Generator
Source code

```
print("----------------------------Calendar Generator with Current date and Time----------------------------")
import calendar

#from datetime import date
import datetime

# functions of calendar
def cal(yy):

   yy=2020
   cal = calendar.calendar(yy)
   print(cal)

#import current date and time
now = datetime.datetime.now()
print ("Current date and time : ")
print (now.strftime("%Y-%m-%d %H:%M:%S"))


yy=int(input("Enter the Year for Calendar: "))
cal(yy)
```

Output

```
----------------------------Calendar Generator with Current date and Time----------------------------
Current date and time :
2020-03-09 15:44:55
Enter the Year for Calendar: 2020
                                  2020

      January                   February                  March
Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
       1  2  3  4  5                      1  2                         1
 6  7  8  9 10 11 12       3  4  5  6  7  8  9       2  3  4  5  6  7  8
13 14 15 16 17 18 19      10 11 12 13 14 15 16       9 10 11 12 13 14 15
20 21 22 23 24 25 26      17 18 19 20 21 22 23      16 17 18 19 20 21 22
27 28 29 30 31            24 25 26 27 28 29         23 24 25 26 27 28 29
                                                    30 31


       April                     May                       June
Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
       1  2  3  4  5                   1  2  3       1  2  3  4  5  6  7
 6  7  8  9 10 11 12       4  5  6  7  8  9 10       8  9 10 11 12 13 14
13 14 15 16 17 18 19      11 12 13 14 15 16 17      15 16 17 18 19 20 21
20 21 22 23 24 25 26      18 19 20 21 22 23 24      22 23 24 25 26 27 28
27 28 29 30               25 26 27 28 29 30 31      29 30
```

```
 6  7  8  9 10 11 12       4  5  6  7  8  9 10       8  9 10 11 12 13 14
13 14 15 16 17 18 19      11 12 13 14 15 16 17      15 16 17 18 19 20 21
20 21 22 23 24 25 26      18 19 20 21 22 23 24      22 23 24 25 26 27 28
27 28 29 30               25 26 27 28 29 30 31      29 30

        July                     August                   September
Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
       1  2  3  4  5                        1  2          1  2  3  4  5  6
 6  7  8  9 10 11 12       3  4  5  6  7  8  9       7  8  9 10 11 12 13
13 14 15 16 17 18 19      10 11 12 13 14 15 16      14 15 16 17 18 19 20
20 21 22 23 24 25 26      17 18 19 20 21 22 23      21 22 23 24 25 26 27
27 28 29 30 31            24 25 26 27 28 29 30      28 29 30
                          31

      October                  November                 December
Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
          1  2  3  4                           1          1  2  3  4  5  6
 5  6  7  8  9 10 11       2  3  4  5  6  7  8       7  8  9 10 11 12 13
12 13 14 15 16 17 18       9 10 11 12 13 14 15      14 15 16 17 18 19 20
19 20 21 22 23 24 25      16 17 18 19 20 21 22      21 22 23 24 25 26 27
26 27 28 29 30 31         23 24 25 26 27 28 29      28 29 30 31
```

Skilled Developed

1. Able to develop Python Program code.
2. Able to developed use different Python Operators.
3. Able to use different functions and packages in python.

Application

1. To check the day. Sometimes, we tend to forget which day it(or how many days till the next Sunday). So we check the calendar.
2. To mark the holidays. There are various holidays that one experiences in the whole year, and to keep track of them we all require calendars.
3. For us to be able to track the solar and lunar cycles. Not everyone does that in today's date, but still a thing.

Conclusion

In this project, I have created a Python Program which is Calendar Generator. In this application, it display the calendar with current date and time.

Subject In-Charge

(Mrs.Smita Kuldiwar)