

```
In [7]: #datetime.date(year,month,day)
#datetime.time(hours,minutes,seconds,microseconds)
#datetime.datetime(year,month,day,hour,minute,second.../-)
#most of the time work with datetime.datetime()->it has everything
import datetime
#it takes year as an integer ,month and day
#syntax datetime.date(year,month,day)
today=datetime.date(2020,12,9)
#today is an object
print(today)
```

2020-12-09

```
In [18]: import datetime
#it takes year as an integer ,month and day
#syntax datetime.date(year,month,day)
today=datetime.date(2020,12,9)
birthday=datetime.date(2000,12,9)
#today is an object
"""since the dates are taken as integers
then operations can be done on to them """
print("this are the days i have lived ",
      (today-birthday).days)
#if you dont want a day time object just use
#.days
print("this are the days i have lived "
      +str(today-birthday))#returns day time object
```

this are the days i have lived 7305
 this are the days i have lived 7305 days, 0:00:00

```
In [68]: #time delta()

"""
->used in calculating differences in dates
->and also can be used for dates manipulation
syntax{
variable_name=timedelta(days=0,seconds=0,
microseconds=0
,milliseconds=0,minutes=0,hours=0,weeks=0)
}
"""
import datetime
from datetime import datetime, timedelta
today=datetime.now()#get the current date
var=timedelta(days=2)# Timedelta function demonstration
next_day=var+today
#this program gives you the day after two days
```

```
print("the day after {} days is:".format(var),next_day)
```

```
the day after 2 days, 0:00:00 days is: 2020-12-12 00:52:17.252232
```

```
In [3]: #month
        #weekday()->method
        #day
        #syntax variable.method or object
import datetime
today=datetime.today()
#the parameters are taken as integers hence typecasting them to
#to strings
print("this is the day "+str(today.day),"today")
print("this is the month "+str(today.month),"today")
print("this is the week "+str(today.weekday()),"today")
print("this is the month "+str(today.hour),"today")
```

AttributeError Traceback (most recent call last)

<ipython-input-3-b34d0b74bc4a> in <module>

```
4 #syntax variable.method or object
5 import datetime
----> 6 today=datetime.today()
7 #the parameters are taken as integers hence typecasting them to
8 #to strings
```

AttributeError: module 'datetime' has no attribute 'today'

```
In [... #hour
        #minute
        #second
        #microsecond
import datetime
print(datetime.datetime(7,2,20,15))
print(datetime.time(7,2,20,15))
#syntax datetime.time(hours,minutes,seconds,microseconds)
#syntax datetime.datetime(
#
        year,month,day,hour,second,microsecond)
#datetime.datetime()->can access every thing
hour_delta=datetime.timedelta(hours=2)#using timedelta to set the 2 hours
print("in the next {} hours this will be the time: ".format(hour_delta)+str(dateti
```

```
0007-02-20 15:00:00
```

```
07:02:20.000015
```

```
in the next 2:00:00 hours this will be the time: 2020-12-10 03:11:14.136762
```

```
In [7]: #make time be aware of time zones
```

```

#fetching time of a given time zone
#pytz.timezone(timezone)->used with datetime.now()
#datetime.now()
"""

to make your time to be aware of time zones install
pytz in to the computer
got to gitbash or your shell and pip install pytz
"""

#import pytz
import pytz
import datetime
datetime_today=datetime.datetime.now(pytz.timezone('Africa/Djibouti'))
date_pacific=datetime_today.astimezone(pytz.timezone('US/pacific'))
date_africa=datetime_today.astimezone(pytz.timezone('Africa/Djibouti'))
print(date_pacific)
print(date_africa)
print(datetime_today)

2020-12-11 01:59:13.935860-08:00
2020-12-11 12:59:13.935860+03:00
2020-12-11 12:59:13.935860+03:00

```

```

In [20]: #pytz
        """Python pytz module serves the date-time conversion
        functionalities. Thus, enables users serving international client's
        base."""
        #pytz module enables time zone calculations in our python applications
        #pytz module functions
        """

        Python pytz Module Functions
        Access the functions using (syntax)->pytz.timezone_function
            1.all_timezones
            2.all_timezones_set
            3.common_timezones
            4.common_timezones_set
            5.Fetching time of a given time-zone
            6.country_names
            7.country_timezones
        """

        #all_timezones->returns a list of all time zones supported
        #print("this are timezones supported",pytz.common_timezones[3])
        #all_timezones_set
        #print("list of suported time zones",pytz.all_timezones_set)
        j=0
        for i in pytz.common_timezones:
            j+=1
            if i=='Africa/Nairobi':
                break

        print(j-1,i)

```

```
#common_timezones
#for j in pytz.common_timezones:
#    print("common used timezones are:",j)
```

42 Africa/Nairobi

```
In [104]: #time zones by country names
import pytz
country_initials=input("Enter the country initials:").upper()
for key ,val in pytz.country_names.items():
    #checks the initials of the country and displays the country name
    if key==country_initials:
        print(key,val)
        print("\n")
for key ,val in pytz.country_names.items():
    print("this are the country names:",key,val)
#WE CAN ALSO DISPLAY country_timezones()
for key, val in pytz.country_timezones.items():
    print(key,val)
print("\n")
country_initials=input("Enter the country initials:").upper()
for key ,val in pytz.country_timezones.items():
    #checks the initials of the country and displays the country name
    if key==country_initials:
        print(key,val)
        print("\n")
```

Enter the country initials:ke
KE Kenya

```
this are the country names: AD Andorra
this are the country names: AE United Arab Emirates
this are the country names: AF Afghanistan
this are the country names: AG Antigua & Barbuda
this are the country names: AI Anguilla
this are the country names: AL Albania
this are the country names: AM Armenia
this are the country names: AO Angola
this are the country names: AQ Antarctica
this are the country names: AR Argentina
this are the country names: AS Samoa (American)
this are the country names: AT Austria
this are the country names: AU Australia
this are the country names: AW Aruba
this are the country names: AX Åland Islands
this are the country names: AZ Azerbaijan
this are the country names: BA Bosnia & Herzegovina
this are the country names: BB Barbados
this are the country names: BD Bangladesh
```

this are the country names: BE Belgium
this are the country names: BF Burkina Faso
this are the country names: BG Bulgaria
this are the country names: BH Bahrain
this are the country names: BI Burundi
this are the country names: BJ Benin
this are the country names: BL St Barthelemy
this are the country names: BM Bermuda
this are the country names: BN Brunei
this are the country names: BO Bolivia
this are the country names: BQ Caribbean NL
this are the country names: BR Brazil
this are the country names: BS Bahamas
this are the country names: BT Bhutan
this are the country names: BV Bouvet Island
this are the country names: BW Botswana
this are the country names: BY Belarus
this are the country names: BZ Belize
this are the country names: CA Canada
this are the country names: CC Cocos (Keeling) Islands
this are the country names: CD Congo (Dem. Rep.)
this are the country names: CF Central African Rep.
this are the country names: CG Congo (Rep.)
this are the country names: CH Switzerland
this are the country names: CI Côte d'Ivoire
this are the country names: CK Cook Islands
this are the country names: CL Chile
this are the country names: CM Cameroon
this are the country names: CN China
this are the country names: CO Colombia
this are the country names: CR Costa Rica
this are the country names: CU Cuba
this are the country names: CV Cape Verde
this are the country names: CW Curaçao
this are the country names: CX Christmas Island
this are the country names: CY Cyprus
this are the country names: CZ Czech Republic
this are the country names: DE Germany
this are the country names: DJ Djibouti
this are the country names: DK Denmark
this are the country names: DM Dominica
this are the country names: DO Dominican Republic
this are the country names: DZ Algeria
this are the country names: EC Ecuador
this are the country names: EE Estonia
this are the country names: EG Egypt
this are the country names: EH Western Sahara
this are the country names: ER Eritrea
this are the country names: ES Spain
this are the country names: ET Ethiopia
this are the country names: FI Finland
this are the country names: FJ Fiji
this are the country names: FK Falkland Islands

this are the country names: FM Micronesia
this are the country names: FO Faroe Islands
this are the country names: FR France
this are the country names: GA Gabon
this are the country names: GB Britain (UK)
this are the country names: GD Grenada
this are the country names: GE Georgia
this are the country names: GF French Guiana
this are the country names: GG Guernsey
this are the country names: GH Ghana
this are the country names: GI Gibraltar
this are the country names: GL Greenland
this are the country names: GM Gambia
this are the country names: GN Guinea
this are the country names: GP Guadeloupe
this are the country names: GQ Equatorial Guinea
this are the country names: GR Greece
this are the country names: GS South Georgia & the South Sandwich Islands
this are the country names: GT Guatemala
this are the country names: GU Guam
this are the country names: GW Guinea-Bissau
this are the country names: GY Guyana
this are the country names: HK Hong Kong
this are the country names: HM Heard Island & McDonald Islands
this are the country names: HN Honduras
this are the country names: HR Croatia
this are the country names: HT Haiti
this are the country names: HU Hungary
this are the country names: ID Indonesia
this are the country names: IE Ireland
this are the country names: IL Israel
this are the country names: IM Isle of Man
this are the country names: IN India
this are the country names: IO British Indian Ocean Territory
this are the country names: IQ Iraq
this are the country names: IR Iran
this are the country names: IS Iceland
this are the country names: IT Italy
this are the country names: JE Jersey
this are the country names: JM Jamaica
this are the country names: JO Jordan
this are the country names: JP Japan
this are the country names: KE Kenya
this are the country names: KG Kyrgyzstan
this are the country names: KH Cambodia
this are the country names: KI Kiribati
this are the country names: KM Comoros
this are the country names: KN St Kitts & Nevis
this are the country names: KP Korea (North)
this are the country names: KR Korea (South)
this are the country names: KW Kuwait
this are the country names: KY Cayman Islands
this are the country names: KZ Kazakhstan

this are the country names: LA Laos
this are the country names: LB Lebanon
this are the country names: LC St Lucia
this are the country names: LI Liechtenstein
this are the country names: LK Sri Lanka
this are the country names: LR Liberia
this are the country names: LS Lesotho
this are the country names: LT Lithuania
this are the country names: LU Luxembourg
this are the country names: LV Latvia
this are the country names: LY Libya
this are the country names: MA Morocco
this are the country names: MC Monaco
this are the country names: MD Moldova
this are the country names: ME Montenegro
this are the country names: MF St Martin (French)
this are the country names: MG Madagascar
this are the country names: MH Marshall Islands
this are the country names: MK North Macedonia
this are the country names: ML Mali
this are the country names: MM Myanmar (Burma)
this are the country names: MN Mongolia
this are the country names: MO Macau
this are the country names: MP Northern Mariana Islands
this are the country names: MQ Martinique
this are the country names: MR Mauritania
this are the country names: MS Montserrat
this are the country names: MT Malta
this are the country names: MU Mauritius
this are the country names: MV Maldives
this are the country names: MW Malawi
this are the country names: MX Mexico
this are the country names: MY Malaysia
this are the country names: MZ Mozambique
this are the country names: NA Namibia
this are the country names: NC New Caledonia
this are the country names: NE Niger
this are the country names: NF Norfolk Island
this are the country names: NG Nigeria
this are the country names: NI Nicaragua
this are the country names: NL Netherlands
this are the country names: NO Norway
this are the country names: NP Nepal
this are the country names: NR Nauru
this are the country names: NU Niue
this are the country names: NZ New Zealand
this are the country names: OM Oman
this are the country names: PA Panama
this are the country names: PE Peru
this are the country names: PF French Polynesia
this are the country names: PG Papua New Guinea
this are the country names: PH Philippines
this are the country names: PK Pakistan

this are the country names: PL Poland
this are the country names: PM St Pierre & Miquelon
this are the country names: PN Pitcairn
this are the country names: PR Puerto Rico
this are the country names: PS Palestine
this are the country names: PT Portugal
this are the country names: PW Palau
this are the country names: PY Paraguay
this are the country names: QA Qatar
this are the country names: RE Réunion
this are the country names: RO Romania
this are the country names: RS Serbia
this are the country names: RU Russia
this are the country names: RW Rwanda
this are the country names: SA Saudi Arabia
this are the country names: SB Solomon Islands
this are the country names: SC Seychelles
this are the country names: SD Sudan
this are the country names: SE Sweden
this are the country names: SG Singapore
this are the country names: SH St Helena
this are the country names: SI Slovenia
this are the country names: SJ Svalbard & Jan Mayen
this are the country names: SK Slovakia
this are the country names: SL Sierra Leone
this are the country names: SM San Marino
this are the country names: SN Senegal
this are the country names: SO Somalia
this are the country names: SR Suriname
this are the country names: SS South Sudan
this are the country names: ST Sao Tome & Principe
this are the country names: SV El Salvador
this are the country names: SX St Maarten (Dutch)
this are the country names: SY Syria
this are the country names: SZ Eswatini (Swaziland)
this are the country names: TC Turks & Caicos Is
this are the country names: TD Chad
this are the country names: TF French Southern & Antarctic Lands
this are the country names: TG Togo
this are the country names: TH Thailand
this are the country names: TJ Tajikistan
this are the country names: TK Tokelau
this are the country names: TL East Timor
this are the country names: TM Turkmenistan
this are the country names: TN Tunisia
this are the country names: TO Tonga
this are the country names: TR Turkey
this are the country names: TT Trinidad & Tobago
this are the country names: TV Tuvalu
this are the country names: TW Taiwan
this are the country names: TZ Tanzania
this are the country names: UA Ukraine
this are the country names: UG Uganda

this are the country names: UM US minor outlying islands
this are the country names: US United States
this are the country names: UY Uruguay
this are the country names: UZ Uzbekistan
this are the country names: VA Vatican City
this are the country names: VC St Vincent
this are the country names: VE Venezuela
this are the country names: VG Virgin Islands (UK)
this are the country names: VI Virgin Islands (US)
this are the country names: VN Vietnam
this are the country names: VU Vanuatu
this are the country names: WF Wallis & Futuna
this are the country names: WS Samoa (western)
this are the country names: YE Yemen
this are the country names: YT Mayotte
this are the country names: ZA South Africa
this are the country names: ZM Zambia
this are the country names: ZW Zimbabwe
AD ['Europe/Andorra']
AE ['Asia/Dubai']
AF ['Asia/Kabul']
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BL ['America/St_Barthelemy']

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BO ['America/La_Paz']
BQ ['America/Kralendijk']
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BT ['Asia/Thimphu']
BW ['Africa/Gaborone']
BY ['Europe/Minsk']
BZ ['America/Belize']
CA ['America/St_Johns', 'America/Halifax', 'America/Glace_Bay', 'America/Moncton', 'America/Goose_Bay', 'America/Blanc-Sablon', 'America/Toronto', 'America/Nipigon', 'America/Thunder_Bay', 'America/Iqaluit', 'America/Pangnirtung', 'America/Atikokan', 'America/Winnipeg', 'America/Rainy_River', 'America/Resolute', 'America/Rankin_Inlet', 'America/Regina', 'America/Swift_Current', 'America/Edmonton', 'America/Cambridge_Bay', 'America/Yellowknife', 'America/Inuvik', 'America/Creston', 'America/Dawson_Creek', 'America/Fort_Nelson', 'America/Vancouver', 'America/Whitehorse', 'America/Dawson']
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CD ['Africa/Kinshasa', 'Africa/Lubumbashi']
CF ['Africa/Bangui']
CG ['Africa/Brazzaville']
CH ['Europe/Zurich']
CI ['Africa/Abidjan']
CK ['Pacific/Rarotonga']
CL ['America/Santiago', 'America/Punta_Arenas', 'Pacific/Easter']
CM ['Africa/Douala']
CN ['Asia/Shanghai', 'Asia/Urumqi']
CO ['America/Bogota']
CR ['America/Costa_Rica']
CU ['America/Havana']
CV ['Atlantic/Cape_Verde']
CW ['America/Curacao']
CX ['Indian/Christmas']
CY ['Asia/Nicosia', 'Asia/Famagusta']
CZ ['Europe/Prague']
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DK ['Europe/Copenhagen']
DM ['America/Dominica']
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DZ ['Africa/Algiers']
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EG ['Africa/Cairo']
EH ['Africa/El_Aaiun']
ER ['Africa/Asmara']
ES ['Europe/Madrid', 'Africa/Ceuta', 'Atlantic/Canary']
ET ['Africa/Addis_Ababa']
FI ['Europe/Helsinki']
FJ ['Pacific/Fiji']

FK ['Atlantic/Stanley']
FM ['Pacific/Chuuk', 'Pacific/Pohnpei', 'Pacific/Kosrae']
FO ['Atlantic/Faroe']
FR ['Europe/Paris']
GA ['Africa/Libreville']
GB ['Europe/London']
GD ['America/Grenada']
GE ['Asia/Tbilisi']
GF ['America/Cayenne']
GG ['Europe/Guernsey']
GH ['Africa/Accra']
GI ['Europe/Gibraltar']
GL ['America/Nuuk', 'America/Danmarkshavn', 'America/Scoresbysund', 'America/Thule']
GM ['Africa/Banjul']
GN ['Africa/Conakry']
GP ['America/Guadeloupe']
GQ ['Africa/Malabo']
GR ['Europe/Athens']
GS ['Atlantic/South_Georgia']
GT ['America/Guatemala']
GU ['Pacific/Guam']
GW ['Africa/Bissau']
GY ['America/Guyana']
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HN ['America/Tegucigalpa']
HR ['Europe/Zagreb']
HT ['America/Port-au-Prince']
HU ['Europe/Budapest']
ID ['Asia/Jakarta', 'Asia/Pontianak', 'Asia/Makassar', 'Asia/Jayapura']
IE ['Europe/Dublin']
IL ['Asia/Jerusalem']
IM ['Europe/Isle_of_Man']
IN ['Asia/Kolkata']
IO ['Indian/Chagos']
IQ ['Asia/Baghdad']
IR ['Asia/Tehran']
IS ['Atlantic/Reykjavik']
IT ['Europe/Rome']
JE ['Europe/Jersey']
JM ['America/Jamaica']
JO ['Asia/Amman']
JP ['Asia/Tokyo']
KE ['Africa/Nairobi']
KG ['Asia/Bishkek']
KH ['Asia/Phnom_Penh']
KI ['Pacific/Tarawa', 'Pacific/Enderbury', 'Pacific/Kiritimati']
KM ['Indian/Comoro']
KN ['America/St_Kitts']
KP ['Asia/Pyongyang']
KR ['Asia/Seoul']
KW ['Asia/Kuwait']
KY ['America/Cayman']
KZ ['Asia/Almaty', 'Asia/Qyzylorda', 'Asia/Qostanay', 'Asia/Aqtobe', 'Asia/Aqtau', 'As

ia/Atyrau', 'Asia/Oral']
LA ['Asia/Vientiane']
LB ['Asia/Beirut']
LC ['America/St_Lucia']
LI ['Europe/Vaduz']
LK ['Asia/Colombo']
LR ['Africa/Monrovia']
LS ['Africa/Maseru']
LT ['Europe/Vilnius']
LU ['Europe/Luxembourg']
LV ['Europe/Riga']
LY ['Africa/Tripoli']
MA ['Africa/Casablanca']
MC ['Europe/Monaco']
MD ['Europe/Chisinau']
ME ['Europe/Podgorica']
MF ['America/Marigot']
MG ['Indian/Antananarivo']
MH ['Pacific/Majuro', 'Pacific/Kwajalein']
MK ['Europe/Skopje']
ML ['Africa/Bamako']
MM ['Asia/Yangon']
MN ['Asia/Ulaanbaatar', 'Asia/Hovd', 'Asia/Choibalsan']
MO ['Asia/Macau']
MP ['Pacific/Saipan']
MQ ['America/Martinique']
MR ['Africa/Nouakchott']
MS ['America/Montserrat']
MT ['Europe/Malta']
MU ['Indian/Mauritius']
MV ['Indian/Maldives']
MW ['Africa/Blantyre']
MX ['America/Mexico_City', 'America/Cancun', 'America/Merida', 'America/Monterrey', 'America/Matamoros', 'America/Mazatlan', 'America/Chihuahua', 'America/Ojinaga', 'America/Hermosillo', 'America/Tijuana', 'America/Bahia_Banderas']
MY ['Asia/Kuala_Lumpur', 'Asia/Kuching']
MZ ['Africa/Maputo']
NA ['Africa/Windhoek']
NC ['Pacific/Noumea']
NE ['Africa/Niamey']
NF ['Pacific/Norfolk']
NG ['Africa/Lagos']
NI ['America/Managua']
NL ['Europe/Amsterdam']
NO ['Europe/Oslo']
NP ['Asia/Kathmandu']
NR ['Pacific/Nauru']
NU ['Pacific/Niue']
NZ ['Pacific/Auckland', 'Pacific/Chatham']
OM ['Asia/Muscat']
PA ['America/Panama']
PE ['America/Lima']
PF ['Pacific/Tahiti', 'Pacific/Marquesas', 'Pacific/Gambier']

PG ['Pacific/Port_Moresby', 'Pacific/Bougainville']
PH ['Asia/Manila']
PK ['Asia/Karachi']
PL ['Europe/Warsaw']
PM ['America/Miquelon']
PN ['Pacific/Pitcairn']
PR ['America/Puerto_Rico']
PS ['Asia/Gaza', 'Asia/Hebron']
PT ['Europe/Lisbon', 'Atlantic/Madeira', 'Atlantic/Azores']
PW ['Pacific/Palau']
PY ['America/Asuncion']
QA ['Asia/Qatar']
RE ['Indian/Reunion']
RO ['Europe/Bucharest']
RS ['Europe/Belgrade']
RU ['Europe/Kaliningrad', 'Europe/Moscow', 'Europe/Kirov', 'Europe/Astrakhan', 'Europe/Volgograd', 'Europe/Saratov', 'Europe/Ulyanovsk', 'Europe/Samara', 'Asia/Yekaterinburg', 'Asia/Omsk', 'Asia/Novosibirsk', 'Asia/Barnaul', 'Asia/Tomsk', 'Asia/Novokuznetsk', 'Asia/Krasnoyarsk', 'Asia/Irkutsk', 'Asia/Chita', 'Asia/Yakutsk', 'Asia/Khandyga', 'Asia/Vladivostok', 'Asia/Ust-Nera', 'Asia/Magadan', 'Asia/Sakhalin', 'Asia/Srednekolymsk', 'Asia/Kamchatka', 'Asia/Anadyr']
UA ['Europe/Simferopol', 'Europe/Kiev', 'Europe/Uzhgorod', 'Europe/Zaporozhye']
RW ['Africa/Kigali']
SA ['Asia/Riyadh']
SB ['Pacific/Guadalcanal']
SC ['Indian/Mahe']
SD ['Africa/Khartoum']
SE ['Europe/Stockholm']
SG ['Asia/Singapore']
SH ['Atlantic/St_Helena']
SI ['Europe/Ljubljana']
SJ ['Arctic/Longyearbyen']
SK ['Europe/Bratislava']
SL ['Africa/Freetown']
SM ['Europe/San_Marino']
SN ['Africa/Dakar']
SO ['Africa/Mogadishu']
SR ['America/Paramaribo']
SS ['Africa/Juba']
ST ['Africa/Sao_Tome']
SV ['America/El_Salvador']
SX ['America/Lower_Princes']
SY ['Asia/Damascus']
SZ ['Africa/Mbabane']
TC ['America/Grand_Turk']
TD ['Africa/Ndjamena']
TF ['Indian/Kerguelen']
TG ['Africa/Lome']
TH ['Asia/Bangkok']
TJ ['Asia/Dushanbe']
TK ['Pacific/Fakaofo']
TL ['Asia/Dili']
TM ['Asia/Ashgabat']

```

TN ['Africa/Tunis']
TO ['Pacific/Tongatapu']
TR ['Europe/Istanbul']
TT ['America/Port_of_Spain']
TV ['Pacific/Funafuti']
TW ['Asia/Taipei']
TZ ['Africa/Dar_es_Salaam']
UG ['Africa/Kampala']
UM ['Pacific/Midway', 'Pacific/Wake']
US ['America/New_York', 'America/Detroit', 'America/Kentucky/Louisville', 'America/Ken
tucky/Monticello', 'America/Indiana/Indianapolis', 'America/Indiana/Vincennes', 'Ameri
ca/Indiana/Winamac', 'America/Indiana/Marengo', 'America/Indiana/Petersburg', 'Americ
a/Indiana/Vevay', 'America/Chicago', 'America/Indiana/Tell_City', 'America/Indiana/Kno
x', 'America/Menominee', 'America/North_Dakota/Center', 'America/North_Dakota/New_Sale
m', 'America/North_Dakota/Beulah', 'America/Denver', 'America/Boise', 'America/Phoeni
x', 'America/Los_Angeles', 'America/Anchorage', 'America/Juneau', 'America/Sitka', 'Am
erica/Metlakatla', 'America/Yakutat', 'America/Nome', 'America/Adak', 'Pacific/Honolul
u']
UY ['America/Montevideo']
UZ ['Asia/Samarkand', 'Asia/Tashkent']
VA ['Europe/Vatican']
VC ['America/St_Vincent']
VE ['America/Caracas']
VG ['America/Tortola']
VI ['America/St_Thomas']
VN ['Asia/Ho_Chi_Minh']
VU ['Pacific/Efate']
WF ['Pacific/Wallis']
WS ['Pacific/Apia']
YE ['Asia/Aden']
YT ['Indian/Mayotte']
ZA ['Africa/Johannesburg']
ZM ['Africa/Lusaka']
ZW ['Africa/Harare']

```

Enter the country initials:ke

```
KE ['Africa/Nairobi']
```

```

In [12]: #string formating with date and time
         #strftime()->used to format date and time to your desire
         #          2019,3,9->march 2019 format
         #strptime()->change from march 2019 format to 2019,3,9
         #%B->month in string format
         #%d->day
         #%Y->year
         #%m->month in integer

```

```
##H->hours
##M->minutes
##S->seconds
import datetime
import pytz
nairobi_time=datetime.datetime.now(pytz.timezone('Africa/Nairobi'))
print(nairobi_time)
print(nairobi_time.strftime('%B %d %Y %H:%M:%S'))
format_time=datetime.datetime.strptime('March,10,2020','%B,%d,%Y')
print(format_time)
```

2020-12-11 13:49:37.535823+03:00

December 11 2020 13:49:37

2020-03-10 00:00:00

In []:

In []: