```
In [34]: # Progream 1
         import time
         t=time.localtime()
         print('a)',time.strftime('%A,%B %d 20%y',t))
         print('b)',time.strftime('%M:%S %p Central Day Light Time on %d/%b/%y',t))
         print('c)',time.strftime('I will meet you on %a %b %d at %M:%S %p'))
         a) Monday, December 16 2019
         b) 28:14 PM Central Day Light Time on 16/Dec/19
         c) I will meet you on Mon Dec 16 at 28:14 PM
 In [2]: # Program 2
         forcast = 'It will be a sunny day today'
         print('a)',forcast.count('day'))
         print('b)',forcast.find('sunny'))
         print('c)',forcast.replace('sunny','cloudy'))
         a) 2
         b) 13
         c) It will be a cloudy day today
In [10]: # Program 3
         def even(n):
             n=int(input("Enter the integer: "))
             for t in range(2,17):
                  if t\%2==0 or t\%3==0:
                      print(t,end=',')
         even('n')
         Enter the integer: 2
         2,3,4,6,8,9,10,12,14,15,16,
 In [6]: # Program 4
         def mailaddress():
             first = 'Syed Faisal Ali'
             last = 'Asst. Prof.'
             state='Department of Computer Science'
             Uni='Usman Institute Technology'
             Area='Gulshan e Iqbal'
             number='75300'
             city='Karachi'
              string=('{}\n{}\n{}\n{}\n{}\,{}\n{}\)
              print(string.format(first,last,state,Uni,Area,number,city))
         mailaddress()
         Syed Faisal Ali
         Asst. Prof.
         Department of Computer Science
         Usman Institute Technology
         Gulshan e Iqbal,75300
         Karachi
```

```
In [41]: # Program 5
                                     def month(x):
                                                    months = ['','Jan','Feb','Mar','Apr','May','Jun','July','Aug','Sep','Oct','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet','Notet'
                                                     return months[x]
                                     month(11)
Out[41]: 'Nov'
In [58]: # Program 6
                                     def cheer(uitians):
                                                     print("How do you spell winner?"+
                                                                            "\nI know,I know!"+"\n"+' '.join(uitians.upper()+'!')+
                                                                            "\nAnd that's how you spell winner!"+"\nGo Uitians!")
                                     cheer('uitians')
                                    How do you spell winner?
                                    I know, I know!
                                    UITIANS!
                                    And that's how you spell winner!
                                    Go Uitians!
In [63]:
                                    # program 8
                                     def convert():
                                                    x = 24
                                                     print('In Binar: ',bin(x))
                                                     print('In Octal: ',oct(x))
                                                    print('In Decimal: ',(x))
                                                     print('In Hexa_decimal: ',hex(x))
                                     convert()
                                    In Binar: 0b11000
                                    In Octal: 0o30
                                    In Decimal: 24
                                    In Hexa_decimal: 0x18
```

```
In [87]: # Program 9
          FAAIZ={'Fees': 'Voucher', 'Name:':'FAAIZ','Roll No.: ':'19B-005-SE','Semester:':
                 'Semester Fees: ': '90,000 Rs.', 'Miscellanceeous Fees: ': '4,000 Rs.',
                 'Sports Fees:':'3000 Rs.','Total Paid:':'97,000 Rs.'}
         AbdulWahab={'\nFees': 'Voucher', 'Name: ':'Abdul Wahab', 'Roll No.: ':'19B-006-SE'
                       'Semester Fees: ':'90,000 Rs.', 'Miscellanceeous Fees: ':'4000 Rs.',
                       'Sports Fees: ':'3000 Rs.','Total Paid: ':'97000 Rs.'}
         Umer={'\nFees': 'Voucher', 'Name: ':'Umer', 'Roll No.: ':'19B-004-SE', 'Semester: '
                'Semester Fees: ':'90,000 Rs.', 'Miscellanceeous Fees: ':'4000 Rs.',
                'Sports Fees: ':'3000 Rs.', 'Total Paid: ':'97000 Rs.'}
          for x, y in FAAIZ.items():
              print(x, y)
          for x, y in AbdulWahab.items():
              print(x, y)
          for x, y in Umer.items():
              print(x, y)
```

Fees Voucher Name: FAAIZ Roll No.: 19B-005-SE Semester: 1st Semester Fees: 90,000 Rs. Miscellanceeous Fees: 4,000 Rs. Sports Fees: 3000 Rs. Total Paid: 97,000 Rs. Fees Voucher Name: Abdul Wahab Roll No.: 19B-006-SE Semester: 1st Semester Fees: 90,000 Rs. Miscellanceeous Fees: 4000 Rs. Sports Fees: 3000 Rs. Total Paid: 97000 Rs. Fees Voucher Name: Umer Roll No.: 19B-004-SE Semester: 1st Semester Fees: 90,000 Rs. Miscellanceeous Fees: 4000 Rs. Sports Fees: 3000 Rs. Total Paid: 97000 Rs.