obelix.gaul.csd.uwo.ca[62]% gcc -lm -o prog1 prog1.c obelix.gaul.csd.uwo.ca[63]% ./prog1
Please enter a positive integer to compute: 10
After 10 times compute, the value of Pi = 3.200000e+00

```
obelix.gaul.csd.uwo.ca[15]% gcc -o prog2 prog2.c
obelix.gaul.csd.uwo.ca[16]% ./prog2
Enter size of magic square: 1
1
obelix.gaul.csd.uwo.ca[17]% ./prog2
Enter size of magic square: 3
   1
8
      6
   5
      7
3
   9
      2
obelix.gaul.csd.uwo.ca[18]% ./prog2
Enter size of magic square: 4
Invalid input. Please input an odd integer between 1 and 13: 5
17
   24
      1
         8
            15
23
   5
      7
         14
            16
4
      13 20
            22
   6
10
   12
      19 21
           3
11
   18
      25
         2
            9
obelix.gaul.csd.uwo.ca[19]% ./prog2
Enter size of magic square: 11
         107 120 1
68
  81
      94
                  14
                    27
                        40
                           53
                              66
80
      106 119 11
                  26
                           65
                              67
   93
               13
                    39
                        52
                           77 79
92
   105 118 10
            12
               25
                  38 51
                        64
104 117 9
               37
                           78
         22
            24
                  50 63
                        76
                              91
116 8
      21
         23
            36
               49 62 75
                        88
                           90
                              103
7
   20
      33
               61 74 87
                           102 115
        35
            48
                        89
19
      34 47
   32
            60
               73 86 99
                        101 114 6
                  98 100 113 5
31
   44
      46
        59
           72
               85
                               18
43
  45
      58 71 84
               97
                  110 112 4
                           17
                              30
               109 111 3
                           29 42
55
   57
      70 83 96
                        16
56
  69
      82 95
            108 121 2
                     15
                        28
                           41
                              54
```

obelix.gaul.csd.uwo.ca[20]% ./prog2

```
Enter size of magic square: 13
   108 123 138 153 168 1
                       16
                         31
                             46 61 76
                                       91
107 122 137 152 167 13
                             60 75 90
                                       92
                   15
                       30
                         45
121 136 151 166 12
                   29 44
                             74 89 104 106
                14
                         59
135 150 165 11
             26
                28 43 58
                         73
                             88
                                103 105 120
149 164 10
             27
                42 57 72
                         87
                             102 117 119 134
         25
163 9
      24
                         101 116 118 133 148
         39 41
                56 71 86
8
   23
      38 40 55
                70 85 100 115 130 132 147 162
22
   37
      52 54 69
                84
                   99 114 129 131 146 161 7
36
   51
      53 68 83
                98
                   113 128 143 145 160 6
                                       21
50
                112 127 142 144 159 5
                                       35
   65
      67 82 97
                                    20
64
            111 126 141 156 158 4
                                       49
   66
      81 96
                                19
                                    34
78
      95 110 125 140 155 157 3
                                33 48
                                       63
  80
                             18
79
   94 109 124 139 154 169 2 17
                             32 47 62
                                       77
Q3
obelix.gaul.csd.uwo.ca[15]% gcc -o prog3 prog3.c
obelix.gaul.csd.uwo.ca[16]% ./prog3
Enter a dollar amount: 20
$20 bills: 1
$10 bills: 0
$5 bills: 0
$2 bills: 0
$1 bills: 0
obelix.gaul.csd.uwo.ca[17]% ./prog3
Enter a dollar amount: 2305
$20 bills: 115
$10 bills: 0
$5 bills: 1
$2 bills: 0
$1 bills: 0
```

obelix.gaul.csd.uwo.ca[18]% ./prog3

Enter a dollar amount: 3963

```
$20 bills: 198
$10 bills: 0
$5 bills: 0
$2 bills: 1
$1 bills: 1
obelix.gaul.csd.uwo.ca[19]% ./prog3
Enter a dollar amount: 304850
$20 bills: 15242
$10 bills: 1
$5 bills: 0
$2 bills: 0
$1 bills: 0
obelix.gaul.csd.uwo.ca[20]% ./prog3
Enter a dollar amount: 423443333
$20 bills: 21172166
$10 bills: 1
$5 bills: 0
$2 bills: 1
$1 bills: 1
obelix.gaul.csd.uwo.ca[22]% ./prog3
Enter a dollar amount: 15
$20 bills: 0
$10 bills: 1
$5 bills: 1
$2 bills: 0
$1 bills: 0
obelix.gaul.csd.uwo.ca[23]% ./prog3
Enter a dollar amount: 1999
$20 bills: 99
$10 bills: 1
```

\$5 bills: 1

\$10 bills: 1
\$5 bills: 1
\$2 bills: 2
\$1 bills: 0