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1 "C:\Program Files\Java\jdk1.8.0_201\bin\java.exe" "-  
  javaagent:C:\Program Files\JetBrains\IntelliJ IDEA  
  Community Edition 2018.2.3\lib\idea_rt.jar=60683:C:\  
  Program Files\JetBrains\IntelliJ IDEA Community Edition  
  2018.2.3\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program  
  Files\Java\jdk1.8.0_201\jre\lib\charsets.jar;C:\Program  
  Files\Java\jdk1.8.0_201\jre\lib\deploy.jar;C:\Program  
  Files\Java\jdk1.8.0_201\jre\lib\ext\access-bridge-64.jar;C  
  :\Program Files\Java\jdk1.8.0_201\jre\lib\ext\cldrdata.jar  
  ;C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\dnsns.jar;  
  C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\jaccess.jar  
  ;C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\jfxrt.jar;  
  C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\localedata.  
  jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\nashorn  
  .jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\sunec.  
  jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib\ext\  
  sunjce_provider.jar;C:\Program Files\Java\jdk1.8.0_201\jre  
  \lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0_201\  
  jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.  
  0_201\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.  
  0_201\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.  
  0_201\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0_201\  
  jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib  
  \jfxswt.jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib\  
  jsse.jar;C:\Program Files\Java\jdk1.8.0_201\jre\lib\  
  management-agent.jar;C:\Program Files\Java\jdk1.8.0_201\  
  jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0_201\jre\  
  lib\resources.jar;C:\Program Files\Java\jdk1.8.0_201\jre\  
  lib\rt.jar;C:\Users\Think\IdeaProjects\TEM5\out\production  
  \TEM5" com.company.Main  
2  
3  
4 Point Place program. Generate by UKTC on EARTH.  
5     Menu < select opiton >:  
6         1 - new point  
7         2 - show all point  
8         3 - calc distance on two point  
9         4 - show min distance  
10        5 - exit app  
11 >1  
12 Create new point in Place. Input x and y coordinate:  
13 X = 10  
14 Y = 10  
15 Point input Point created on coordinate: X = 10 Y = 10  
16
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17
18 Point Place program. Generate by UKTC on EARTH.
19     Menu < select opiton >:
20         1 - new point
21         2 - show all point
22         3 - calc distance on two point
23         4 - show min distance
24         5 - exit app
25 >2
26
27 index n: 0 / Point{x=10.0, y=10.0}
28
29
30 Point Place program. Generate by UKTC on EARTH.
31     Menu < select opiton >:
32         1 - new point
33         2 - show all point
34         3 - calc distance on two point
35         4 - show min distance
36         5 - exit app
37 >1
38 Create new point in Place. Input x and y coordinate:
39 X = 20
40 Y = 20
41 Point input Point created on coordinate: X = 20 Y = 20
42
43
44 Point Place program. Generate by UKTC on EARTH.
45     Menu < select opiton >:
46         1 - new point
47         2 - show all point
48         3 - calc distance on two point
49         4 - show min distance
50         5 - exit app
51 >2
52
53 index n: 0 / Point{x=10.0, y=10.0}
54 index n: 1 / Point{x=20.0, y=20.0}
55
56
57 Point Place program. Generate by UKTC on EARTH.
58     Menu < select opiton >:
59         1 - new point
60         2 - show all point
61         3 - calc distance on two point
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62         4 - show min distance
63         5 - exit app
64 >20
65 Invalid input selection! Examp if you want to exit app <
   option 3 > from menu you input: 3[ENTER]
66
67
68 Point Place program. Generate by UKTC on EARTH.
69     Menu < select opiton >:
70         1 - new point
71         2 - show all point
72         3 - calc distance on two point
73         4 - show min distance
74         5 - exit app
75 >2
76
77 index n: 0 / Point{x=10.0, y=10.0}
78 index n: 1 / Point{x=20.0, y=20.0}
79
80
81 Point Place program. Generate by UKTC on EARTH.
82     Menu < select opiton >:
83         1 - new point
84         2 - show all point
85         3 - calc distance on two point
86         4 - show min distance
87         5 - exit app
88 >1
89 Create new point in Place. Input x and y coordinate:
90   X = 20
91   Y = -20
92 Point input Point created on coordinate: X = 20 Y = -20
93
94
95 Point Place program. Generate by UKTC on EARTH.
96     Menu < select opiton >:
97         1 - new point
98         2 - show all point
99         3 - calc distance on two point
100        4 - show min distance
101        5 - exit app
102 >2
103
104 index n: 0 / Point{x=10.0, y=10.0}
105 index n: 1 / Point{x=20.0, y=20.0}
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106 index n: 2 / Point{x=20.0, y=-20.0}
107
108
109 Point Place program. Generate by UKTC on EARTH.
110     Menu < select opiton >:
111         1 - new point
112         2 - show all point
113         3 - calc distance on two point
114         4 - show min distance
115         5 - exit app
116 >3
117 Insert point number. To show number -> select from menu
    < option 2 > to show all insered points
118 index > 1
119     0 - Point{x=20.0, y=20.0}
120 index > 3
121 Index out of boinds. Check your index and insert
    correctly!
122 index > 2
123     1 - Point{x=20.0, y=-20.0}
124 Distance = 40.0
125
126
127 Point Place program. Generate by UKTC on EARTH.
128     Menu < select opiton >:
129         1 - new point
130         2 - show all point
131         3 - calc distance on two point
132         4 - show min distance
133         5 - exit app
134 >3
135 Insert point number. To show number -> select from menu
    < option 2 > to show all insered points
136 index > 0
137     0 - Point{x=10.0, y=10.0}
138 index > 1
139     1 - Point{x=20.0, y=20.0}
140 Distance = 14.142135623730951
141
142
143 Point Place program. Generate by UKTC on EARTH.
144     Menu < select opiton >:
145         1 - new point
146         2 - show all point
147         3 - calc distance on two point
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148         4 - show min distance
149         5 - exit app
150 >4
151 Calculating minimum distance from all point...
152
153 [0][1]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=20.0
      , y=20.0} =  14.142135623730951 14.142135623730951
154 [0][2]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=20.0
      , y=-20.0} =  31.622776601683793 14.142135623730951
155
156 [1][2]  -> Point{x=20.0, y=20.0}  <---D---> Point{x=20.0
      , y=-20.0} =  40.0 14.142135623730951
157
158 Minimal distance = 14.142135623730951 with point:
159     Point A with index: 0 coordinate Point{x=10.0, y=10.0
      } to Point B with index: 1 coordinate Point{x=20.0, y=20.
      0}
160
161
162 Point Place program. Generate by UKTC on EARTH.
163     Menu < select opiton >:
164         1 - new point
165         2 - show all point
166         3 - calc distance on two point
167         4 - show min distance
168         5 - exit app
169 >1
170 Create new point in Place. Input x and y coordinate:
171 X = 30
172 Y = 30
173 Point input Point created on coordinate: X = 30 Y = 30
174
175
176 Point Place program. Generate by UKTC on EARTH.
177     Menu < select opiton >:
178         1 - new point
179         2 - show all point
180         3 - calc distance on two point
181         4 - show min distance
182         5 - exit app
183 >2
184
185 index n: 0 / Point{x=10.0, y=10.0}
186 index n: 1 / Point{x=20.0, y=20.0}
187 index n: 2 / Point{x=20.0, y=-20.0}
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188 index n: 3 / Point{x=30.0, y=30.0}
189
190
191 Point Place program. Generate by UKTC on EARTH.
192     Menu < select opiton >:
193         1 - new point
194         2 - show all point
195         3 - calc distance on two point
196         4 - show min distance
197         5 - exit app
198 >1
199 Create new point in Place. Input x and y coordinate:
200 X = 40
201 Y = 40
202 Point input Point created on coordinate: X = 40 Y = 40
203
204
205 Point Place program. Generate by UKTC on EARTH.
206     Menu < select opiton >:
207         1 - new point
208         2 - show all point
209         3 - calc distance on two point
210         4 - show min distance
211         5 - exit app
212 >1
213 Create new point in Place. Input x and y coordinate:
214 X = -30
215 Y = 10
216 Point input Point created on coordinate: X = -30 Y = 10
217
218
219 Point Place program. Generate by UKTC on EARTH.
220     Menu < select opiton >:
221         1 - new point
222         2 - show all point
223         3 - calc distance on two point
224         4 - show min distance
225         5 - exit app
226 >1
227 Create new point in Place. Input x and y coordinate:
228 X = 82.4
229 Y = 12.3
230 Point input Point created on coordinate: X = 82.4 Y = 12.
    3
231
```

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232
233 Point Place program. Generate by UKTC on EARTH.
234     Menu < select opiton >:
235         1 - new point
236         2 - show all point
237         3 - calc distance on two point
238         4 - show min distance
239         5 - exit app
240 >2
241
242 index n: 0 / Point{x=10.0, y=10.0}
243 index n: 1 / Point{x=20.0, y=20.0}
244 index n: 2 / Point{x=20.0, y=-20.0}
245 index n: 3 / Point{x=30.0, y=30.0}
246 index n: 4 / Point{x=40.0, y=40.0}
247 index n: 5 / Point{x=-30.0, y=10.0}
248 index n: 6 / Point{x=82.4, y=12.3}
249
250
251 Point Place program. Generate by UKTC on EARTH.
252     Menu < select opiton >:
253         1 - new point
254         2 - show all point
255         3 - calc distance on two point
256         4 - show min distance
257         5 - exit app
258 >4
259 Calculating minimum distance from all point...
260
261 [0][1]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=20.0
, y=20.0} =  14.142135623730951 14.142135623730951
262 [0][2]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=20.0
, y=-20.0} =  31.622776601683793 14.142135623730951
263 [0][3]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=30.0
, y=30.0} =  28.284271247461902 14.142135623730951
264 [0][4]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=40.0
, y=40.0} =  42.42640687119285 14.142135623730951
265 [0][5]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=-30.0
, y=10.0} =  40.0 14.142135623730951
266 [0][6]  -> Point{x=10.0, y=10.0}  <---D---> Point{x=82.4
, y=12.3} =  72.43652393647835 14.142135623730951
267
268 [1][2]  -> Point{x=20.0, y=20.0}  <---D---> Point{x=20.0
, y=-20.0} =  40.0 14.142135623730951
269 [1][3]  -> Point{x=20.0, y=20.0}  <---D---> Point{x=30.0

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269 , y=30.0} = 14.142135623730951 14.142135623730951
270 [1][4] -> Point{x=20.0, y=20.0} <---D---> Point{x=40.0
    , y=40.0} = 28.284271247461902 14.142135623730951
271 [1][5] -> Point{x=20.0, y=20.0} <---D---> Point{x=-30.0
    , y=10.0} = 50.99019513592785 14.142135623730951
272 [1][6] -> Point{x=20.0, y=20.0} <---D---> Point{x=82.4
    , y=12.3} = 62.873285264888146 14.142135623730951
273
274 [2][3] -> Point{x=20.0, y=-20.0} <---D---> Point{x=30.0
    , y=30.0} = 70.71067811865476 14.142135623730951
275 [2][4] -> Point{x=20.0, y=-20.0} <---D---> Point{x=40.0
    , y=40.0} = 84.8528137423857 14.142135623730951
276 [2][5] -> Point{x=20.0, y=-20.0} <---D---> Point{x=-30.
    0, y=10.0} = 31.622776601683793 14.142135623730951
277 [2][6] -> Point{x=20.0, y=-20.0} <---D---> Point{x=82.4
    , y=12.3} = 107.37341384160234 14.142135623730951
278
279 [3][4] -> Point{x=30.0, y=30.0} <---D---> Point{x=40.0
    , y=40.0} = 14.142135623730951 14.142135623730951
280 [3][5] -> Point{x=30.0, y=30.0} <---D---> Point{x=-30.0
    , y=10.0} = 63.245553203367585 14.142135623730951
281 [3][6] -> Point{x=30.0, y=30.0} <---D---> Point{x=82.4
    , y=12.3} = 55.30867924657034 14.142135623730951
282
283 [4][5] -> Point{x=40.0, y=40.0} <---D---> Point{x=-30.0
    , y=10.0} = 76.15773105863909 14.142135623730951
284 [4][6] -> Point{x=40.0, y=40.0} <---D---> Point{x=82.4
    , y=12.3} = 50.64632267006164 14.142135623730951
285
286 [5][6] -> Point{x=-30.0, y=10.0} <---D---> Point{x=82.4
    , y=12.3} = 72.43652393647835 14.142135623730951
287
288 Minimal distance = 14.142135623730951 with points:
289     Point A with index: 0 coordinate Point{x=10.0, y=10.0
    } to Point B with index: 1 coordinate Point{x=20.0, y=20.
    0}
290     Point A with index: 1 coordinate Point{x=20.0, y=20.0
    } to Point B with index: 3 coordinate Point{x=30.0, y=30.
    0}
291     Point A with index: 3 coordinate Point{x=30.0, y=30.0
    } to Point B with index: 4 coordinate Point{x=40.0, y=40.
    0}
292
293
294 Point Place program. Generate by UKTC on EARTH.

```



```
295      Menu < select opiton >:
296          1 - new point
297          2 - show all point
298          3 - calc distance on two point
299          4 - show min distance
300          5 - exit app
301 >1
302 Create new point in Place. Input x and y coordinate:
303   X = e
304   Y = r
305   Invalid input number. Examp input: 0.3 / 0,3 / 3 / -3
306
307
308 Point Place program. Generate by UKTC on EARTH.
309      Menu < select opiton >:
310          1 - new point
311          2 - show all point
312          3 - calc distance on two point
313          4 - show min distance
314          5 - exit app
315 >1
316 Create new point in Place. Input x and y coordinate:
317   X = 3.
318   Y = a
319   Invalid input number. Examp input: 0.3 / 0,3 / 3 / -3
320
321
322 Point Place program. Generate by UKTC on EARTH.
323      Menu < select opiton >:
324          1 - new point
325          2 - show all point
326          3 - calc distance on two point
327          4 - show min distance
328          5 - exit app
329 >3
330 Insert point number. To show number -> select from menu
      < option 2 > to show all insered points
331 index > 2
332     0 - Point{x=20.0, y=-20.0}
333 index > 3
334     1 - Point{x=30.0, y=30.0}
335 Distance = 70.71067811865476
336
337
338 Point Place program. Generate by UKTC on EARTH.
```

```
339      Menu < select opiton >:
340          1 - new point
341          2 - show all point
342          3 - calc distance on two point
343          4 - show min distance
344          5 - exit app
345 >5
346 EXIT
347
348 Process finished with exit code 0
349
```