

```
1  # -*- coding: utf-8 -*-
2
3  # Form implementation generated from reading ui file 'QCodeEditor.ui'
4  #
5  # Created by: PyQt5 UI code generator 5.13.0
6  #
7  # WARNING! All changes made in this file will be lost!
8
9
10 from PyQt5 import QtCore, QtGui, QtWidgets
11
12
13 class Ui_MainWindow(object):
14     def setupUi(self, MainWindow):
15         MainWindow.setObjectName("MainWindow")
16         MainWindow.resize(1100, 700)
17         MainWindow.setMinimumSize(QtCore.QSize(700, 500))
18         font = QtGui.QFont()
19         font.setKerning(True)
20         MainWindow.setFont(font)
21         icon = QtGui.QIcon()
22         icon.addPixmap(QtGui.QPixmap("P.ico"), QtGui.QIcon.Normal, QtGui.QIcon.Off)
23         MainWindow.setWindowIcon(icon)
24         MainWindow.setIconSize(QtCore.QSize(24, 24))
25         MainWindow.setToolButtonStyle(QtCore.Qt.ToolButtonIconOnly)
26         MainWindow.setTabShape(QtWidgets.QTabWidget.Rounded)
27         self.centralwidget = QtWidgets.QWidget(MainWindow)
28         self.centralwidget.setObjectName("centralwidget")
29         self.horizontalLayout_4 = QtWidgets.QHBoxLayout(self.centralwidget)
30         self.horizontalLayout_4.setObjectName("horizontalLayout_4")
31         self.verticalLayout = QtWidgets.QVBoxLayout()
32         self.verticalLayout.setSizeConstraint(QtWidgets.QLayout.SetDefaultConstraint)
33         self.verticalLayout.setObjectName("verticalLayout")
34         self.label_2 = QtWidgets.QLabel(self.centralwidget)
35         font = QtGui.QFont()
36         font.setPointSize(14)
37         font.setBold(True)
38         font.setWeight(75)
39         self.label_2.setFont(font)
40         self.label_2.setText("Code Editor")
41         self.label_2.setAlignment(QtCore.Qt.AlignCenter)
42         self.label_2.setObjectName("label_2")
43         self.verticalLayout.addWidget(self.label_2)
44         self.horizontalLayout_3 = QtWidgets.QHBoxLayout()
45         self.horizontalLayout_3.setSpacing(5)
46         self.horizontalLayout_3.setObjectName("horizontalLayout_3")
47         self.button_start = QtWidgets.QPushButton(self.centralwidget)
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48 font = QtGui.QFont()
49 font.setPointSize(12)
50 font.setBold(False)
51 font.setWeight(50)
52 self.button_start.setFont(font)
53 self.button_start.setCursor(QtGui.QCursor(QtCore.Qt.PointingHandCursor))
54 self.button_start.setText("Start")
55 self.button_start.setAutoRepeatDelay(100)
56 self.button_start.setAutoDefault(False)
57 self.button_start.setDefault(False)
58 self.button_start.setFlat(False)
59 self.button_start.setObjectName("button_start")
60 self.horizontalLayout_3.addWidget(self.button_start)
61 self.button_stop = QtWidgets.QPushButton(self.centralwidget)
62 self.button_stop.setEnabled(False)
63 font = QtGui.QFont()
64 font.setPointSize(12)
65 self.button_stop.setFont(font)
66 self.button_stop.setCursor(QtGui.QCursor(QtCore.Qt.PointingHandCursor))
67 self.button_stop.setObjectName("button_stop")
68 self.horizontalLayout_3.addWidget(self.button_stop)
69 self.button_weiter = QtWidgets.QPushButton(self.centralwidget)
70 self.button_weiter.setEnabled(False)
71 font = QtGui.QFont()
72 font.setPointSize(12)
73 self.button_weiter.setFont(font)
74 self.button_weiter.setCursor(QtGui.QCursor(QtCore.Qt.PointingHandCursor))
75 self.button_weiter.setText("Weiter")
76 self.button_weiter.setAutoRepeat(True)
77 self.button_weiter.setAutoRepeatDelay(500)
78 self.button_weiter.setAutoRepeatInterval(40)
79 self.button_weiter.setObjectName("button_weiter")
80 self.horizontalLayout_3.addWidget(self.button_weiter)
81 self.verticalLayout.addLayout(self.horizontalLayout_3)
82 self.horizontalLayout_5 = QtWidgets.QHBoxLayout()
83 self.horizontalLayout_5.setSizeConstraint(QtWidgets.QLayout.SetDefaultConstraint)
84 self.horizontalLayout_5.setContentsMargins(0, -1, -1, -1)
85 self.horizontalLayout_5.setSpacing(0)
86 self.horizontalLayout_5.setObjectName("horizontalLayout_5")
87 self.Editor = CodeEditor(self.centralwidget)
88 sizePolicy = QtWidgets.QSizePolicy(QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Expanding)
89 sizePolicy.setHorizontalStretch(0)
90 sizePolicy.setVerticalStretch(0)
91 sizePolicy.setHeightForWidth(self.Editor.sizePolicy()).hasHeightForWidth()
92 self.Editor.setSizePolicy(sizePolicy)
93 self.Editor.setMinimumSize(QtCore.QSize(100, 0))
94 font = QtGui.QFont()
95 font.setFamily("Consolas")
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96     font.setPointSize(15)
97     font.setBold(True)
98     font.setWeight(75)
99     self.Editor.setFont(font)
100    self.Editor.setLineWrapMode(QtWidgets.QPlainTextEdit.NoWrap)
101    self.Editor.setPlainText("")
102    self.Editor.setTabStopDistance(22.0)
103    self.Editor.setObjectName("Editor")
104    self.horizontalLayout_5.addWidget(self.Editor)
105    self.verticalLayout.addLayout(self.horizontalLayout_5)
106    self.horizontalLayout_4.addLayout(self.verticalLayout)
107    self.line = QtWidgets.QFrame(self.centralwidget)
108    self.line.setFrameShape(QtWidgets.QFrame.VLine)
109    self.line.setFrameShadow(QtWidgets.QFrame.Sunken)
110    self.line.setObjectName("line")
111    self.horizontalLayout_4.addWidget(self.line)
112    self.verticalLayout_2 = QtWidgets.QVBoxLayout()
113    self.verticalLayout_2.setObjectName("verticalLayout_2")
114    self.label = QtWidgets.QLabel(self.centralwidget)
115    font = QtGui.QFont()
116    font.setPointSize(14)
117    font.setBold(True)
118    font.setWeight(75)
119    self.label.setFont(font)
120    self.label.setText("Speicherwerk")
121    self.label.setAlignment(QtCore.Qt.AlignCenter)
122    self.label.setObjectName("label")
123    self.verticalLayout_2.addWidget(self.label)
124    self.Speicher = QtWidgets.QTableWidget(self.centralwidget)
125    sizePolicy = QtWidgets.QSizePolicy(QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Expanding)
126    sizePolicy.setHorizontalStretch(0)
127    sizePolicy.setVerticalStretch(0)
128    sizePolicy.setHeightForWidth(self.Speicher.sizePolicy().hasHeightForWidth())
129    self.Speicher.setSizePolicy(sizePolicy)
130    self.Speicher.setSizeIncrement(QtCore.QSize(0, 0))
131    font = QtGui.QFont()
132    font.setFamily("Consolas")
133    font.setPointSize(15)
134    self.Speicher.setFont(font)
135    self.Speicher.setSizeAdjustPolicy(QtWidgets.QAbstractScrollArea.AdjustToContentsOnFirstShow)
136    self.Speicher.setEditTriggers(QtWidgets.QAbstractItemView.NoEditTriggers)
137    self.Speicher.setTabKeyNavigation(False)
138    self.Speicher.setProperty("showDropIndicator", False)
139    self.Speicher.setDragDropOverwriteMode(False)
140    self.Speicher.setAlternatingRowColors(True)
141    self.Speicher.setSelectionMode(QtWidgets.QAbstractItemView.NoSelection)
142    self.Speicher.setSelectionBehavior(QtWidgets.QAbstractItemView.SelectItems)
143    self.Speicher.setRowCount(0)
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144 self.Speicher.setColumnCount(0)
145 self.Speicher.setObjectName("Speicher")
146 self.Speicher.horizontalHeader().setCascadingSectionResizes(True)
147 self.Speicher.horizontalHeader().setHighlightSections(False)
148 self.Speicher.horizontalHeader().setMinimumSectionSize(30)
149 self.Speicher.horizontalHeader().setStretchLastSection(False)
150 self.Speicher.verticalHeader().setVisible(False)
151 self.Speicher.verticalHeader().setCascadingSectionResizes(True)
152 self.Speicher.verticalHeader().setHighlightSections(False)
153 self.Speicher.verticalHeader().setStretchLastSection(False)
154 self.verticalLayout_2.addWidget(self.Speicher)
155 self.horizontalLayout_4.addLayout(self.verticalLayout_2)
156 self.line_2 = QtWidgets.QFrame(self.centralwidget)
157 self.line_2.setFrameShape(QtWidgets.QFrame.VLine)
158 self.line_2.setFrameShadow(QtWidgets.QFrame.Sunken)
159 self.line_2.setObjectName("line_2")
160 self.horizontalLayout_4.addWidget(self.line_2)
161 self.verticalLayout_3 = QtWidgets.QVBoxLayout()
162 self.verticalLayout_3.setObjectName("verticalLayout_3")
163 self.horizontalLayout_13 = QtWidgets.QHBoxLayout()
164 self.horizontalLayout_13.setObjectName("horizontalLayout_13")
165 self.label_3 = QtWidgets.QLabel(self.centralwidget)
166 font = QtGui.QFont()
167 font.setPointSize(14)
168 font.setBold(True)
169 font.setWeight(75)
170 self.label_3.setFont(font)
171 self.label_3.setText("Steuerwerk")
172 self.label_3.setObjectName("label_3")
173 self.horizontalLayout_13.addWidget(self.label_3)
174 self.line_7 = QtWidgets.QFrame(self.centralwidget)
175 self.line_7.setFrameShape(QtWidgets.QFrame.VLine)
176 self.line_7.setFrameShadow(QtWidgets.QFrame.Sunken)
177 self.line_7.setObjectName("line_7")
178 self.horizontalLayout_13.addWidget(self.line_7)
179 self.label_which_cycle = QtWidgets.QLabel(self.centralwidget)
180 font = QtGui.QFont()
181 font.setPointSize(14)
182 self.label_which_cycle.setFont(font)
183 self.label_which_cycle.setText("IDLE")
184 self.label_which_cycle.setObjectName("label_which_cycle")
185 self.horizontalLayout_13.addWidget(self.label_which_cycle)
186 self.horizontalLayout_13.setStretch(0, 5)
187 self.horizontalLayout_13.setStretch(2, 20)
188 self.verticalLayout_3.addLayout(self.horizontalLayout_13)
189 spacerItem = QtWidgets.QSpacerItem(254, 13, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
190 self.verticalLayout_3.addItem(spacerItem)
191 self.verticalLayout_8 = QtWidgets.QVBoxLayout()
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192 self.verticalLayout_8.setObjectName("verticalLayout_8")
193 self.horizontalLayout_8 = QtWidgets.QHBoxLayout()
194 self.horizontalLayout_8.setContentsMargins(-1, -1, 20, -1)
195 self.horizontalLayout_8.setSpacing(5)
196 self.horizontalLayout_8.setObjectName("horizontalLayout_8")
197 self.verticalLayout_5 = QtWidgets.QVBoxLayout()
198 self.verticalLayout_5.setObjectName("verticalLayout_5")
199 self.label_13 = QtWidgets.QLabel(self.centralwidget)
200 font = QtGui.QFont()
201 font.setPointSize(14)
202 self.label_13.setFont(font)
203 self.label_13.setText("Befehlszähler")
204 self.label_13.setObjectName("label_13")
205 self.verticalLayout_5.addWidget(self.label_13)
206 self.label_14 = QtWidgets.QLabel(self.centralwidget)
207 font = QtGui.QFont()
208 font.setPointSize(14)
209 self.label_14.setFont(font)
210 self.label_14.setText("Befehlsregister")
211 self.label_14.setObjectName("label_14")
212 self.verticalLayout_5.addWidget(self.label_14)
213 self.label_15 = QtWidgets.QLabel(self.centralwidget)
214 font = QtGui.QFont()
215 font.setPointSize(14)
216 self.label_15.setFont(font)
217 self.label_15.setText("Dekodierer")
218 self.label_15.setObjectName("label_15")
219 self.verticalLayout_5.addWidget(self.label_15)
220 self.horizontalLayout_8.addLayout(self.verticalLayout_5)
221 spacerItem1 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
222 self.horizontalLayout_8.addItem(spacerItem1)
223 self.verticalLayout_4 = QtWidgets.QVBoxLayout()
224 self.verticalLayout_4.setObjectName("verticalLayout_4")
225 self.label_befehlszaehler = QtWidgets.QLabel(self.centralwidget)
226 font = QtGui.QFont()
227 font.setFamily("Consolas")
228 font.setPointSize(14)
229 font.setBold(True)
230 font.setWeight(75)
231 self.label_befehlszaehler.setFont(font)
232 self.label_befehlszaehler.setText("0")
233 self.label_befehlszaehler.setObjectName("label_befehlszaehler")
234 self.verticalLayout_4.addWidget(self.label_befehlszaehler)
235 self.horizontalLayout_12 = QtWidgets.QHBoxLayout()
236 self.horizontalLayout_12.setObjectName("horizontalLayout_12")
237 self.label_befehlsreg_1 = QtWidgets.QLabel(self.centralwidget)
238 self.label_befehlsreg_1.setMinimumSize(QtCore.QSize(0, 0))
239 self.label_befehlsreg_1.setMaximumSize(QtCore.QSize(80, 16777215))
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240 font = QtGui.QFont()
241 font.setFamily("Consolas")
242 font.setPointSize(14)
243 font.setBold(True)
244 font.setWeight(75)
245 self.label_befehlsreg_1.setFont(font)
246 self.label_befehlsreg_1.setText("0")
247 self.label_befehlsreg_1.setObjectName("label_befehlsreg_1")
248 self.horizontalLayout_12.addWidget(self.label_befehlsreg_1)
249 self.line_5 = QtWidgets.QFrame(self.centralwidget)
250 self.line_5 setFrameShape(QtWidgets.QFrame.VLine)
251 self.line_5 setFrameShadow(QtWidgets.QFrame.Sunken)
252 self.line_5.setObjectName("line_5")
253 self.horizontalLayout_12.addWidget(self.line_5)
254 self.label_befehlsreg_2 = QtWidgets.QLabel(self.centralwidget)
255 self.label_befehlsreg_2.setMaximumSize(QtCore.QSize(80, 16777215))
256 font = QtGui.QFont()
257 font.setFamily("Consolas")
258 font.setPointSize(14)
259 font.setBold(True)
260 font.setWeight(75)
261 self.label_befehlsreg_2.setFont(font)
262 self.label_befehlsreg_2.setText("0")
263 self.label_befehlsreg_2.setAlignment(QtCore.Qt.AlignLeading|QtCore.Qt.AlignLeft|QtCore.Qt.AlignVCenter)
264 self.label_befehlsreg_2.setObjectName("label_befehlsreg_2")
265 self.horizontalLayout_12.addWidget(self.label_befehlsreg_2)
266 self.horizontalLayout_12.setStretch(0, 2)
267 self.horizontalLayout_12.setStretch(2, 2)
268 self.verticalLayout_4.addLayout(self.horizontalLayout_12)
269 self.horizontalLayout_11 = QtWidgets.QHBoxLayout()
270 self.horizontalLayout_11.setSpacing(7)
271 self.horizontalLayout_11.setObjectName("horizontalLayout_11")
272 self.label_dekodierer_1 = QtWidgets.QLabel(self.centralwidget)
273 self.label_dekodierer_1.setMinimumSize(QtCore.QSize(0, 0))
274 self.label_dekodierer_1.setMaximumSize(QtCore.QSize(80, 16777215))
275 font = QtGui.QFont()
276 font.setFamily("Consolas")
277 font.setPointSize(14)
278 font.setBold(True)
279 font.setWeight(75)
280 self.label_dekodierer_1.setFont(font)
281 self.label_dekodierer_1.setText("0")
282 self.label_dekodierer_1.setWordWrap(True)
283 self.label_dekodierer_1.setObjectName("label_dekodierer_1")
284 self.horizontalLayout_11.addWidget(self.label_dekodierer_1)
285 self.line_6 = QtWidgets.QFrame(self.centralwidget)
286 self.line_6 setFrameShape(QtWidgets.QFrame.VLine)
287 self.line_6 setFrameShadow(QtWidgets.QFrame.Sunken)
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288 self.line_6.setObjectName("line_6")
289 self.horizontalLayout_11.addWidget(self.line_6)
290 self.label_dekodierer_2 = QtWidgets.QLabel(self.centralwidget)
291 self.label_dekodierer_2.setMaximumSize(QtCore.QSize(80, 16777215))
292 font = QtGui.QFont()
293 font.setFamily("Consolas")
294 font.setPointSize(14)
295 font.setBold(True)
296 font.setWeight(75)
297 self.label_dekodierer_2.setFont(font)
298 self.label_dekodierer_2.setText("0")
299 self.label_dekodierer_2.setAlignment(QtCore.Qt.AlignLeading|QtCore.Qt.AlignLeft|QtCore.Qt.AlignVCenter)
300 self.label_dekodierer_2.setObjectName("label_dekodierer_2")
301 self.horizontalLayout_11.addWidget(self.label_dekodierer_2)
302 self.horizontalLayout_11.setStretch(0, 2)
303 self.horizontalLayout_11.setStretch(2, 2)
304 self.verticalLayout_4.addLayout(self.horizontalLayout_11)
305 self.verticalLayout_4.setStretch(0, 1)
306 self.verticalLayout_4.setStretch(1, 1)
307 self.verticalLayout_4.setStretch(2, 1)
308 self.horizontalLayout_8.addLayout(self.verticalLayout_4)
309 spacerItem2 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
310 self.horizontalLayout_8.addItem(spacerItem2)
311 self.horizontalLayout_8.setStretch(1, 1)
312 self.horizontalLayout_8.setStretch(2, 10)
313 self.horizontalLayout_8.setStretch(3, 5)
314 self.verticalLayout_8.addLayout(self.horizontalLayout_8)
315 self.verticalLayout_8.setStretch(0, 10)
316 self.verticalLayout_3.addLayout(self.verticalLayout_8)
317 spacerItem3 = QtWidgets.QSpacerItem(254, 13, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
318 self.verticalLayout_3.addItem(spacerItem3)
319 self.line_3 = QtWidgets.QFrame(self.centralwidget)
320 self.line_3 setFrameShape(QtWidgets.QFrame.HLine)
321 self.line_3 setFrameShadow(QtWidgets.QFrame.Sunken)
322 self.line_3.setObjectName("line_3")
323 self.verticalLayout_3.addWidget(self.line_3)
324 self.label_4 = QtWidgets.QLabel(self.centralwidget)
325 font = QtGui.QFont()
326 font.setPointSize(14)
327 font.setBold(True)
328 font.setWeight(75)
329 self.label_4.setFont(font)
330 self.label_4.setText("Rechenwerk")
331 self.label_4.setObjectName("label_4")
332 self.verticalLayout_3.addWidget(self.label_4)
333 spacerItem4 = QtWidgets.QSpacerItem(254, 13, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
334 self.verticalLayout_3.addItem(spacerItem4)
335 self.verticalLayout_6 = QtWidgets.QVBoxLayout()
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336 self.verticalLayout_6.setSpacing(10)
337 self.verticalLayout_6.setObjectName("verticalLayout_6")
338 self.horizontalLayout_9 = QtWidgets.QHBoxLayout()
339 self.horizontalLayout_9.setObjectName("horizontalLayout_9")
340 self.label_16 = QtWidgets.QLabel(self.centralwidget)
341 font = QtGui.QFont()
342 font.setPointSize(14)
343 self.label_16.setFont(font)
344 self.label_16.setText("Akku")
345 self.label_16.setAlignment(QtCore.Qt.AlignCenter)
346 self.label_16.setObjectName("label_16")
347 self.horizontalLayout_9.addWidget(self.label_16)
348 self.line_8 = QtWidgets.QFrame(self.centralwidget)
349 self.line_8 setFrameShape(QtWidgets.QFrame.VLine)
350 self.line_8 setFrameShadow(QtWidgets.QFrame.Sunken)
351 self.line_8.setObjectName("line_8")
352 self.horizontalLayout_9.addWidget(self.line_8)
353 self.label_17 = QtWidgets.QLabel(self.centralwidget)
354 font = QtGui.QFont()
355 font.setPointSize(14)
356 self.label_17.setFont(font)
357 self.label_17.setText("Operand")
358 self.label_17.setAlignment(QtCore.Qt.AlignCenter)
359 self.label_17.setObjectName("label_17")
360 self.horizontalLayout_9.addWidget(self.label_17)
361 self.verticalLayout_6.addLayout(self.horizontalLayout_9)
362 self.horizontalLayout_6 = QtWidgets.QHBoxLayout()
363 self.horizontalLayout_6.setObjectName("horizontalLayout_6")
364 spacerItem5 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
365 self.horizontalLayout_6.addItem(spacerItem5)
366 self.label_accu = QtWidgets.QLabel(self.centralwidget)
367 self.label_accu.setMaximumSize(QtCore.QSize(220, 16777215))
368 font = QtGui.QFont()
369 font.setFamily("Consolas")
370 font.setPointSize(14)
371 font.setBold(True)
372 font.setWeight(75)
373 self.label_accu.setFont(font)
374 self.label_accu.setText("0")
375 self.label_accu.setAlignment(QtCore.Qt.AlignCenter)
376 self.label_accu.setWordWrap(True)
377 self.label_accu.setTextInteractionFlags(QtCore.Qt.NoTextInteraction)
378 self.label_accu.setObjectName("label_accu")
379 self.horizontalLayout_6.addWidget(self.label_accu)
380 spacerItem6 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
381 self.horizontalLayout_6.addItem(spacerItem6)
382 self.label_operation = QtWidgets.QLabel(self.centralwidget)
383 font = QtGui.QFont()
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384 font.setFamily("Consolas")
385 font.setPointSize(17)
386 font.setBold(True)
387 font.setWeight(75)
388 self.label_operation.setFont(font)
389 self.label_operation.setLayoutDirection(QtCore.Qt.LeftToRight)
390 self.label_operation.setText("")
391 self.label_operation.setAlignment(QtCore.Qt.AlignCenter)
392 self.label_operation.setObjectName("label_operation")
393 self.horizontalLayout_6.addWidget(self.label_operation)
394 spacerItem7 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
395 self.horizontalLayout_6.addItem(spacerItem7)
396 self.label_operand = QtWidgets.QLabel(self.centralwidget)
397 self.label_operand.setMaximumSize(QtCore.QSize(220, 16777215))
398 font = QtGui.QFont()
399 font.setFamily("Consolas")
400 font.setPointSize(14)
401 font.setBold(True)
402 font.setWeight(75)
403 self.label_operand.setFont(font)
404 self.label_operand.setScaledContents(False)
405 self.label_operand.setAlignment(QtCore.Qt.AlignCenter)
406 self.label_operand.setWordWrap(False)
407 self.label_operand.setTextInteractionFlags(QtCore.Qt.NoTextInteraction)
408 self.label_operand.setObjectName("label_operand")
409 self.horizontalLayout_6.addWidget(self.label_operand)
410 spacerItem8 = QtWidgets.QSpacerItem(40, 20, QtWidgets.QSizePolicy.Expanding, QtWidgets.QSizePolicy.Minimum)
411 self.horizontalLayout_6.addItem(spacerItem8)
412 self.horizontalLayout_6.setStretch(1, 100)
413 self.horizontalLayout_6.setStretch(5, 100)
414 self.verticalLayout_6.addLayout(self.horizontalLayout_6)
415 self.line_10 = QtWidgets.QFrame(self.centralwidget)
416 self.line_10.setFrameShape(QtWidgets.QFrame.HLine)
417 self.line_10.setFrameShadow(QtWidgets.QFrame.Sunken)
418 self.line_10.setObjectName("line_10")
419 self.verticalLayout_6.addWidget(self.line_10)
420 self.horizontalLayout_10 = QtWidgets.QHBoxLayout()
421 self.horizontalLayout_10.setObjectName("horizontalLayout_10")
422 self.label_19 = QtWidgets.QLabel(self.centralwidget)
423 font = QtGui.QFont()
424 font.setPointSize(14)
425 self.label_19.setFont(font)
426 self.label_19.setText("Ergebnis")
427 self.label_19.setAlignment(QtCore.Qt.AlignCenter)
428 self.label_19.setObjectName("label_19")
429 self.horizontalLayout_10.addWidget(self.label_19)
430 self.line_9 = QtWidgets.QFrame(self.centralwidget)
431 self.line_9.setFrameShape(QtWidgets.QFrame.VLine)
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432 self.line_9.setFrameShadow(QtWidgets.QFrame.Sunken)
433 self.line_9.setObjectName("line_9")
434 self.horizontalLayout_10.addWidget(self.line_9)
435 self.label_result = QtWidgets.QLabel(self.centralwidget)
436 self.label_result.setMaximumSize(QtCore.QSize(350, 16777215))
437 font = QtGui.QFont()
438 font.setFamily("Consolas")
439 font.setPointSize(14)
440 font.setBold(True)
441 font.setWeight(75)
442 self.label_result.setFont(font)
443 self.label_result.setText("0")
444 self.label_result.setWordWrap(True)
445 self.label_result.setObjectName("label_result")
446 self.horizontalLayout_10.addWidget(self.label_result)
447 self.verticalLayout_6.addLayout(self.horizontalLayout_10)
448 self.verticalLayout_6.setStretch(1, 10)
449 self.verticalLayout_6.setStretch(3, 10)
450 self.verticalLayout_3.addLayout(self.verticalLayout_6)
451 spacerItem9 = QtWidgets.QSpacerItem(254, 13, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
452 self.verticalLayout_3.addItem(spacerItem9)
453 self.line_4 = QtWidgets.QFrame(self.centralwidget)
454 self.line_4.setFrameShape(QtWidgets.QFrame.HLine)
455 self.line_4.setFrameShadow(QtWidgets.QFrame.Sunken)
456 self.line_4.setObjectName("line_4")
457 self.verticalLayout_3.addWidget(self.line_4)
458 self.label_5 = QtWidgets.QLabel(self.centralwidget)
459 font = QtGui.QFont()
460 font.setPointSize(14)
461 font.setBold(True)
462 font.setWeight(75)
463 self.label_5.setFont(font)
464 self.label_5.setText("Ein - / Ausgabewerk")
465 self.label_5.setObjectName("label_5")
466 self.verticalLayout_3.addWidget(self.label_5)
467 spacerItem10 = QtWidgets.QSpacerItem(254, 13, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
468 self.verticalLayout_3.addItem(spacerItem10)
469 self.label_6 = QtWidgets.QLabel(self.centralwidget)
470 font = QtGui.QFont()
471 font.setPointSize(11)
472 font.setBold(True)
473 font.setWeight(75)
474 self.label_6.setFont(font)
475 self.label_6.setText("Eingaberegister ")
476 self.label_6.setObjectName("label_6")
477 self.verticalLayout_3.addWidget(self.label_6)
478 self.horizontalLayout_2 = QtWidgets.QHBoxLayout()
479 self.horizontalLayout_2.setObjectName("horizontalLayout_2")
```

```
480 self.input_reg = QtWidgets.QLineEdit(self.centralwidget)
481 self.input_reg.setEnabled(False)
482 font = QtGui.QFont()
483 font.setFamily("Consolas")
484 font.setPointSize(14)
485 font.setBold(True)
486 font.setWeight(75)
487 self.input_reg.setFont(font)
488 self.input_reg.setInputMask("")
489 self.input_reg.setText("")
490 self.input_reg.setMaxLength(32767)
491 self.input_reg.setEchoMode(QtWidgets.QLineEdit.Normal)
492 self.input_reg.setDragEnabled(True)
493 self.input_reg.setClearButtonEnabled(False)
494 self.input_reg.setObjectName("input_reg")
495 self.horizontalLayout_2.addWidget(self.input_reg)
496 self.verticalLayout_3.addLayout(self.horizontalLayout_2)
497 self.label_7 = QtWidgets.QLabel(self.centralwidget)
498 font = QtGui.QFont()
499 font.setPointSize(11)
500 font.setBold(True)
501 font.setWeight(75)
502 self.label_7.setFont(font)
503 self.label_7.setText("Ausgaberegister")
504 self.label_7.setObjectName("label_7")
505 self.verticalLayout_3.addWidget(self.label_7)
506 self.horizontalLayout = QtWidgets.QHBoxLayout()
507 self.horizontalLayout.setObjectName("horizontalLayout")
508 self.output_reg = QtWidgets.QLineEdit(self.centralwidget)
509 font = QtGui.QFont()
510 font.setFamily("Consolas")
511 font.setPointSize(14)
512 font.setBold(True)
513 font.setWeight(75)
514 self.output_reg.setFont(font)
515 self.output_reg.setMaxLength(9999999)
516 self.output_reg.setDragEnabled(True)
517 self.output_reg.setReadOnly(True)
518 self.output_reg.setCursorMoveStyle(QtCore.Qt.LogicalMoveStyle)
519 self.output_reg.setClearButtonEnabled(False)
520 self.output_reg.setObjectName("output_reg")
521 self.horizontalLayout.addWidget(self.output_reg)
522 self.verticalLayout_3.addLayout(self.horizontalLayout)
523 spacerItem11 = QtWidgets.QSpacerItem(20, 40, QtWidgets.QSizePolicy.Minimum, QtWidgets.QSizePolicy.Expanding)
524 self.verticalLayout_3.addItem(spacerItem11)
525 self.verticalLayout_3.setStretch(16, 1)
526 self.horizontalLayout_4.addLayout(self.verticalLayout_3)
527 self.horizontalLayout_4.setStretch(0, 4)
```

```
528 self.horizontalLayout_4.setStretch(2, 10)
529 self.horizontalLayout_4.setStretch(4, 6)
530 MainWindow.setCentralWidget(self.centralwidget)
531 self.menubar = QtWidgets.QMenuBar(MainWindow)
532 self.menubar.setGeometry(QtCore.QRect(0, 0, 1100, 26))
533 self.menubar.setObjectName("menubar")
534 self.menuDatei = QtWidgets.QMenu(self.menubar)
535 font = QtGui.QFont()
536 font.setPointSize(9)
537 font.setBold(False)
538 font.setWeight(50)
539 self.menuDatei.setFont(font)
540 self.menuDatei.setObjectName("menuDatei")
541 self.menuDemo = QtWidgets.QMenu(self.menuDatei)
542 self.menuDemo.setObjectName("menuDemo")
543 self.menuHilfe = QtWidgets.QMenu(self.menubar)
544 sizePolicy = QtWidgets.QSizePolicy(QtWidgets.QSizePolicy.Preferred, QtWidgets.QSizePolicy.Preferred)
545 sizePolicy.setHorizontalStretch(0)
546 sizePolicy.setVerticalStretch(0)
547 sizePolicy.setHeightForWidth(self.menuHilfe.sizePolicy().hasHeightForWidth())
548 self.menuHilfe.setSizePolicy(sizePolicy)
549 self.menuHilfe.setSeparatorsCollapsible(False)
550 self.menuHilfe.setObjectName("menuHilfe")
551 self.menuAninmation = QtWidgets.QMenu(self.menubar)
552 self.menuAninmation.setObjectName("menuAninmation")
553 self.menuVollst_ndig = QtWidgets.QMenu(self.menuAninmation)
554 self.menuVollst_ndig.setEnabled(True)
555 self.menuVollst_ndig.setObjectName("menuVollst_ndig")
556 self.menuOptionen = QtWidgets.QMenu(self.menubar)
557 self.menuOptionen.setObjectName("menuOptionen")
558 MainWindow.setMenuBar(self.menubar)
559 self.actionNeu = QtWidgets.QAction(MainWindow)
560 self.actionNeu.setText("Neu")
561 self.actionNeu.setObjectName("actionNeu")
562 self.action_ffnen = QtWidgets.QAction(MainWindow)
563 self.action_ffnen.setText("Öffnen")
564 self.action_ffnen.setObjectName("action_ffnen")
565 self.actionSpeichernAls = QtWidgets.QAction(MainWindow)
566 self.actionSpeichernAls.setText("Speichern unter")
567 self.actionSpeichernAls.setShortcutContext(QtCore.Qt.WindowShortcut)
568 self.actionSpeichernAls.setObjectName("actionSpeichernAls")
569 self.actionDokumentation = QtWidgets.QAction(MainWindow)
570 self.actionDokumentation.setText("Dokumentation")
571 self.actionDokumentation.setShortcut("")
572 self.actionDokumentation.setShortcutVisibleInContextMenu(False)
573 self.actionDokumentation.setObjectName("actionDokumentation")
574 self.actionBefehlssatz_ver_ndern = QtWidgets.QAction(MainWindow)
575 self.actionBefehlssatz_ver_ndern.setText("Befehlssatz anpassen")
```

```
576 self.actionBefehlssatz_ver_ndern.setObjectName("actionBefehlssatz_ver_ndern")
577 self.actionInfo = QtWidgets.QAction(MainWindow)
578 self.actionInfo.setText("Info")
579 self.actionInfo.setObjectName("actionInfo")
580 self.actionQuersumme = QtWidgets.QAction(MainWindow)
581 self.actionQuersumme.setText("Quersumme")
582 self.actionQuersumme.setObjectName("actionQuersumme")
583 self.actionFakult_t = QtWidgets.QAction(MainWindow)
584 self.actionFakult_t.setText("Fakultät")
585 self.actionFakult_t.setObjectName("actionFakult_t")
586 self.actionSumme_a_bis_b_ohne_Schleife = QtWidgets.QAction(MainWindow)
587 self.actionSumme_a_bis_b_ohne_Schleife.setText("Summe a bis b ohne Schleife")
588 self.actionSumme_a_bis_b_ohne_Schleife.setObjectName("actionSumme_a_bis_b_ohne_Schleife")
589 self.actionSumme_a_bis_b_mit_Schleife = QtWidgets.QAction(MainWindow)
590 self.actionSumme_a_bis_b_mit_Schleife.setText("Summe a bis b mit Schleife")
591 self.actionSumme_a_bis_b_mit_Schleife.setObjectName("actionSumme_a_bis_b_mit_Schleife")
592 self.actionDurchschnitt_dreier_Zahlen_floor = QtWidgets.QAction(MainWindow)
593 self.actionDurchschnitt_dreier_Zahlen_floor.setObjectName("actionDurchschnitt_dreier_Zahlen_floor")
594 self.action1s = QtWidgets.QAction(MainWindow)
595 self.action1s.setCheckable(True)
596 self.action1s.setChecked(False)
597 self.action1s.setEnabled(True)
598 self.action1s.setText("1s")
599 self.action1s.setObjectName("action1s")
600 self.action2s = QtWidgets.QAction(MainWindow)
601 self.action2s.setCheckable(True)
602 self.action2s.setText("2s")
603 self.action2s.setObjectName("action2s")
604 self.action3s = QtWidgets.QAction(MainWindow)
605 self.action3s.setCheckable(True)
606 self.action3s.setText("3s")
607 self.action3s.setObjectName("action3s")
608 self.action4s = QtWidgets.QAction(MainWindow)
609 self.action4s.setCheckable(True)
610 self.action4s.setText("4s")
611 self.action4s.setObjectName("action4s")
612 self.action5s = QtWidgets.QAction(MainWindow)
613 self.action5s.setCheckable(True)
614 self.action5s.setText("5s")
615 self.action5s.setObjectName("action5s")
616 self.action6s = QtWidgets.QAction(MainWindow)
617 self.action6s.setCheckable(True)
618 self.action6s.setObjectName("action6s")
619 self.action7s = QtWidgets.QAction(MainWindow)
620 self.action7s.setCheckable(True)
621 self.action7s.setObjectName("action7s")
622 self.action8s = QtWidgets.QAction(MainWindow)
623 self.action8s.setCheckable(True)
```

```
624 self.action8s.setObjectName("action8s")
625 self.action9s = QtWidgets.QAction(MainWindow)
626 self.action9s.setCheckable(True)
627 self.action9s.setObjectName("action9s")
628 self.action10s = QtWidgets.QAction(MainWindow)
629 self.action10s.setCheckable(True)
630 self.action10s.setText("10s")
631 self.action10s.setObjectName("action10s")
632 self.actionVNPhasen = QtWidgets.QAction(MainWindow)
633 self.actionVNPhasen.setCheckable(True)
634 self.actionVNPhasen.setObjectName("actionVNPhasen")
635 self.action0s = QtWidgets.QAction(MainWindow)
636 self.action0s.setCheckable(True)
637 self.action0s.setChecked(True)
638 self.action0s.setText("0s")
639 self.action0s.setObjectName("action0s")
640 self.actionSpeichern_als = QtWidgets.QAction(MainWindow)
641 self.actionSpeichern_als.setObjectName("actionSpeichern_als")
642 self.actions = QtWidgets.QAction(MainWindow)
643 self.actions.setObjectName("actions")
644 self.actionZahl_der_angezeigten_Speicherzellen = QtWidgets.QAction(MainWindow)
645 self.actionZahl_der_angezeigten_Speicherzellen.setText("Zahl der angezeigten Speicherzellen")
646 self.actionZahl_der_angezeigten_Speicherzellen.setObjectName("actionZahl_der_angezeigten_Speicherzellen")
647 self.actionSpeichern = QtWidgets.QAction(MainWindow)
648 self.actionSpeichern.setText("Speichern")
649 self.actionSpeichern.setObjectName("actionSpeichern")
650 self.actionDurchschnitt_beliebig_vieler_Zahlen = QtWidgets.QAction(MainWindow)
651 self.actionDurchschnitt_beliebig_vieler_Zahlen.setObjectName("actionDurchschnitt_beliebig_vieler_Zahlen")
652 self.actionZahl_der_angezeigten_Speicherzellen_2 = QtWidgets.QAction(MainWindow)
653 self.actionZahl_der_angezeigten_Speicherzellen_2.setObjectName("actionZahl_der_angezeigten_Speicherzellen_2")
654 self.actionBefehlssatz_anpassen = QtWidgets.QAction(MainWindow)
655 self.actionBefehlssatz_anpassen.setObjectName("actionBefehlssatz_anpassen")
656 self.menuDemo.addAction(self.actionFakult_t)
657 self.menuDemo.addAction(self.actionQuersumme)
658 self.menuDemo.addAction(self.actionSumme_a_bis_b_mit_Schleife)
659 self.menuDemo.addAction(self.actionSumme_a_bis_b_ohne_Schleife)
660 self.menuDemo.addAction(self.actionDurchschnitt_dreier_Zahlen_floor)
661 self.menuDemo.addAction(self.actionDurchschnitt_beliebig_vieler_Zahlen)
662 self.menuDatei.addAction(self.actionNeu)
663 self.menuDatei.addAction(self.action_ffnen)
664 self.menuDatei.addAction(self.actionSpeichern)
665 self.menuDatei.addAction(self.actionSpeichernAls)
666 self.menuDatei.addSeparator()
667 self.menuDatei.addAction(self.menuDemo.menuAction())
668 self.menuHilfe.addAction(self.actionDokumentation)
669 self.menuHilfe.addAction(self.actionInfo)
670 self.menuVollst_ndig.addAction(self.action0s)
671 self.menuVollst_ndig.addAction(self.action1s)
```



```

672 self.menuVollst_ndig.addAction(self.action2s)
673 self.menuVollst_ndig.addAction(self.action3s)
674 self.menuVollst_ndig.addAction(self.action4s)
675 self.menuVollst_ndig.addAction(self.action5s)
676 self.menuVollst_ndig.addAction(self.action10s)
677 self.menuAninmation.addAction(self.menuVollst_ndig.menuAction())
678 self.menuAninmation.addSeparator()
679 self.menuAninmation.addAction(self.actionVNPhasen)
680 self.menuOptionen.addAction(self.actionBefehlssatz_anpassen)
681 self.menuOptionen.addAction(self.actionZahl_der_angezeigten_Speicherzellen_2)
682 self.menubar.addAction(self.menuDatei.menuAction())
683 self.menubar.addAction(self.menuAninmation.menuAction())
684 self.menubar.addAction(self.menuOptionen.menuAction())
685 self.menubar.addAction(self.menuHilfe.menuAction())
686
687 self.retranslateUi(MainWindow)
688 QtCore.QMetaObject.connectSlotsByName(MainWindow)
689
690 def retranslateUi(self, MainWindow):
691     _translate = QtCore.QCoreApplication.translate
692     MainWindow.setWindowTitle(_translate("MainWindow", "Pseudo Assembler"))
693     self.button_start.setShortcut(_translate("MainWindow", "Ctrl+Space"))
694     self.button_stop.setText(_translate("MainWindow", "Beenden"))
695     self.label_operand.setText(_translate("MainWindow", "0"))
696     self.menuDatei.setTitle(_translate("MainWindow", "Datei"))
697     self.menuDemo.setTitle(_translate("MainWindow", "Demo"))
698     self.menuHilfe.setTitle(_translate("MainWindow", "Hilfe"))
699     self.menuAninmation.setTitle(_translate("MainWindow", "Ablauf"))
700     self.menuVollst_ndig.setTitle(_translate("MainWindow", "Vollständig"))
701     self.menuOptionen.setTitle(_translate("MainWindow", "Optionen"))
702     self.actionNeu.setShortcut(_translate("MainWindow", "Ctrl+N"))
703     self.action_ffnen.setShortcut(_translate("MainWindow", "Ctrl+O"))
704     self.actionSpeichernAls.setShortcut(_translate("MainWindow", "Ctrl+Alt+S"))
705     self.actionDurchschnitt_dreier_Zahlen_floor.setText(_translate("MainWindow", "Durchschnitt dreier Zahlen"))
706     self.action6s.setText(_translate("MainWindow", "6s"))
707     self.action7s.setText(_translate("MainWindow", "7s"))
708     self.action8s.setText(_translate("MainWindow", "8s"))
709     self.action9s.setText(_translate("MainWindow", "9s"))
710     self.actionVNPhasen.setText(_translate("MainWindow", "VN-Phasen"))
711     self.actionSpeichern_als.setText(_translate("MainWindow", "Speichern als"))
712     self.actionSpeichern_als.setShortcut(_translate("MainWindow", "Ctrl+Alt+S"))
713     self.actions.setText(_translate("MainWindow", "s"))
714     self.actionSpeichern.setShortcut(_translate("MainWindow", "Ctrl+S"))
715     self.actionDurchschnitt_beliebig_vieler_Zahlen.setText(_translate("MainWindow", "Durchschnitt beliebig vieler Zahlen"))
716     self.actionZahl_der_angezeigten_Speicherzellen_2.setText(_translate("MainWindow", "Zahl der angezeigten Speicherzellen"))
717     self.actionBefehlssatz_anpassen.setText(_translate("MainWindow", "Befehlssatz anpassen"))
718 from codeeditor import CodeEditor
719

```

```
720
721 if __name__ == "__main__":
722     import sys
723     app = QtWidgets.QApplication(sys.argv)
724     MainWindow = QtWidgets.QMainWindow()
725     ui = Ui_MainWindow()
726     ui.setupUi(MainWindow)
727     MainWindow.show()
728     sys.exit(app.exec_())
```