Summary: Advanced Widgets & classes 1

Widget group	Widget	Description	Methods	Method description	Signals	Signal description
	QLCDNumber	To display LCD-like digits	setMode()	Used to change the base of the numbers. Available options: Hex for displaying hexadecimal digits. Dec for displaying decimal digits. Oct for displaying octal digits. Bin for displaying binary digits.		
			display()	To display the specified content as LCD digits.		
			value()	Returns the numerical value displayed by the LCD Number widget.		
	QTimer	To perform a repetitive task	start(n)	Initiates the timer to generate a timeout()signal at n millisecond Intervals.	timeout()	Emitted when interval of n milliseconds is reached.
			setSingleShot(true)	Sets the timer to generate a timeout()signal only once.		
			singleShot(n)	Sets the timer to generate a timeout()signal only once after n milliseconds.		
	QTime	To fetch the system clock time	currentTime()	Fetches the system's clock time and returns it as a QTimeobject.		
			hour()	Returns the number of hours.		
			minute()	Returns the number of minutes.		

Widget group	Widget	Description	Methods	Method description	Signals	Signal description
			seconds()	Returns the number of seconds.		
			msec()	Returns the number of milliseconds.		
			addSecs()	Returns the time after adding a specified number of seconds.		
			addMSecs()	Returns the time after adding a specified number of milliseconds.		
			secsTo()	Returns the number of seconds between two times.		
			msecsTo()	Returns the number of milliseconds between two times.		
	QCalendarWidget	To display a monthly calendar	selectedDate()	Returns the currently selected date. monthShown() Returns the currently displayed month.	selectionChanged()	Emitted when the user selects a date other than the currently selected date. The date can be selected using the mouse or keyboard.
			yearShown()	Returns the currently displayed year.		
			setFirstDayOfWeek()	Used to set the day in the first column.		
	QDate	Contains a calendar date with the year, month, and day in the Gregorian calendar It reads	currentDate()	Returns the system date as a QDateobject.		
			setDate()	Sets a date by specifying the year, month, and day. year()		

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		the current date from the system clock		Returns the year from the specified date object.		
			month()	Returns the month from the specified date object.		
			day()	Returns the day from the specified date object.		
			dayOfWeek()	Returns the day of the week from the specified dateobject.		
			addDays()	Adds the specified number of days to the specified date and returns new date.		
			addMonths()	Adds the specified number of months to the specified date and returns new date.		
			addYears()	Adds the specified number of years to the specified date and returns new date.		
			daysTo()	Returns the number of days between two dates.		
			daysInMonth()	Returns the number of days in the specified month.		
			daysInYear()	Returns the number of days in the specified year.		
			isLeapYear()	Returns true if the specified date is in a leap year.		

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Widget group	Widget	Description	Methods	Method description	Signals	Signal description
			toPyDate()	Returns the date as a string. The format parameter determines the format of the result string.		
	QDateEdit	For displaying and editing dates	setDate()	Used to set the date to be displayed in the widget.		
			setDisplayFormat()	Used to specify the string format that you want to apply to the date displayed in the Date Edit widget.		
	QComboBox	To display a pop-up list, the items are listed in a minimum of screen space. Besides text, pixmaps can be displayed in a Combo Box	setItemText()	Used to change the item in the Combo Box.	currentIndexChanged()	Emitted if the index of the Combo Box is changed (through user interaction or via program), and a new item is selected.
			removeItem()	Used to remove an item.		
			clear()	Used to remove all items.	activated()	Emitted when the index is changed by user interaction.
			currentText()	Returns the text of the current item.	highlighted()	Emitted when the user highlights an item in the Combo Box.
			setCurrentIndex()	Used to set the current item.	editTextChanged()	Emitted when the text of an editable Combo Box is changed.
			count()	Returns the number of items in the Combo Box.		
			setMaxCount()	Used to set the maximum number of items.		
			setEditable()	Used to allow editing in the Combo Box.		
			addItem()	Used to add an item to the Combo Box with specified text.		

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				The item is appended to the list.		
			addItems()	Used to add each of the strings in the text to the Combo Box. Each item is appended to the list.		
			itemText()	Returns the text at the specified index in the Combo Box.		
			currentIndex()	Returns the index of the current item in the Combo Box. An empty Combo Box or a Combo Box with no current item selected returns −1 as the index.		
	QTableWidget	To display contents in a row and column format	setRowCount()	Used to specify the number of rows in the Table widget.		
			setColumnCount()	Used to specify the number of columns in the Table widget.		
			rowCount()	Returns the number of rows in the table.		
			columnCount()	Returns the number of columns in the table.		
			clear()	Clears the table.		
			setItem()	Sets the item for a given row and column of the table.		

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Widget group	Widget	Description	Methods	Method description	Signals	Signal description
	QTableWidgetItem	The items displayed in the Table widget	setFont()	Used to set the font for the text label of the Table Item.		
			setCheckState()	Used to check or uncheck a Table Item.		
			checkState()	Used to determine if the Table Item is checked or not.		

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