Function name		MUSART_vInit		
		* A_InitStruct	A_InitStruct Pointer to a structure that contains the configuration information for the specified USART peripheral.	
Arguments	Input	* A_ClockInitStruct	Pointer to a structure that contains the configuration information for the specified USART peripheral.	
		* A_USARTx	Pointer to USARTx registers map	
	Output	Output none		
Return	none			
Description	Sets a certain pin's output value on a speific port			

Function name	MUSART_vEnable				
Argumants	Input	nput * A_USARTx Pointer to USARTx registers map			
Arguments	Output	none			
Return		none			
Description		Enables the USART peripheral			

Function name	MUSART_vDisable			
Arguments	Input	* A_USARTx	Pointer to USARTx registers map	
Arguments	Output	none		
Return		none		
Description	Disables the USART peripheral			

Function name		MUSART_vTransmitByte		
	Input	* A_USARTx	Pointer to USARTx registers map	
Arguments	Input	A_u8Byte	Byte to be transmitted	
	Output		none	
Return		none		
Description		Transmits a byte using the USART peripheral		

Function name	MUSART_vTransmitString		
	Input	* A_USARTx	Pointer to USARTx registers map
Arguments		* A_ptrc8String	Pointer to the string to be transmitted
	Output		none
Return	none		
Description	Transmits a string using the USART peripheral		

Function name	MUSART_u8ReceiveByteSynchNonBlocking		
Arguments	Input	* A_USARTx	Pointer to USARTx registers map
Arguments	Output		none

Return	Received byte from the USART peripheral			
Description	Receives a byte using the USART peripheral (non-blocking)			
	_	101010000000000000000000000000000000000		
Function name			ReceiveByteSynchBlocking	
Arguments	Input	* A_USARTx	Pointer to USARTx registers map	
	Output		none	
Return			om the USART peripheral	
Description		Receives a byte using the USART peripheral (blocking)		
Function name		*MUSART_ptrRec	reiveStringSynchNonBlocking	
A 1100000000000	Input	* A_USARTx	Pointer to USARTx registers map	
Arguments	Output		none	
Return	F	Pointer to the received	string from the USART peripheral	
Description	Red	ceives a string using th	e USART peripheral (non-blocking)	
		MIGAE		
Function name			RT_vRecieveString	
	Input	* A_USARTx	Pointer to USARTx registers map	
Arguments		A_c8YourString[]	Pointer to the string to be transmitted	
Return	Output	Output none		
	Т	Dagaiyaa a atsina yaina	none the LICART maniph and (blocking)	
Description	Receives a string using the USART peripheral (blocking)			
Function name		MUSAR	Γ_u8CompareString	
T direction marite		* String1	Pointer to the first string	
Arguments	Input	* String2	Pointer to the second string	
8	Output	C	none	
Return	-	STRING if the strings	are equal, DIFFERENT_STRING if not	
Description			gs using the USART peripheral	
1		1		
Function name		MUSART	_u8ReadDataRegister	
Angumanta	Input	* A_USARTx	Pointer to USARTx registers map	
Arguments	Output		none	
Return		Statu	is register value	
Description		Reads the status register of the USART peripheral		
		3.5770		
Function name			ART_vClearFlags	
Arguments	Input	* A_USARTx	Pointer to USARTx registers map	
Return	Output		none	
Retuili	none Clears the status register of the USART peripheral			
Description				
Description		Clears the status reg	ister of the OSAK1 peripheral	

Input	* A_USARTx	Pointer to USARTx registers map		
Arguments	Input	A_u8Status	Status of the RX interrupt (ENABLE/DISABLE)	
	Output	none		
Return	none			
Description	Set the status of the RX interrupt			

Function name	MUSART1_vSetCallBack				
Argumants	Input	Input *Fptr Pointer to the callback function			
Arguments	Output	none			
Return		none			
Description	Set UART1 RX callback function				

Function name	MUSART2_vSetCallBack				
Arguments	Input	Input *Fptr Pointer to the callback function			
Arguments	Output	none			
Return		none			
Description	Set UART2 RX callback function				

Function name	MUSART3_vSetCallBack			
Arguments	Input *Fptr Pointer to the callback function			
Arguments	Output	none		
Return	none			
Description	Set UART3 RX callback function			