Assignment Day 6 | 30th December 2020

Question-1:

Write a function to find the maximum element in the stack.

Function to find the maximum element in the stack

```
void Maximum (int *array, int *top)
{
	int i=0;
	int size = *top;
	int maximum = '\0';
	if(*top != -1)
	{
		for(i=0; i<=size; i++)
		{
			if(maximum == '\0')
			{
				maximum = array[i];
			}
			else
			{
				if(maximum < array[i])
				{
					maximum = array[i];
				}
			}
		}
		printf("Maximum is : %d\n",maximum);
	}
	else
	{
		printf("buddy stack is empty add elements first \n");
	}
}
```

Question-2:

Write a function to find the minimum element in the stack.

Function to find the minimum element in the stack

```
void Minimum(int *array, int *top)
{
	int i = 0;
	int size = *top;
	int minimum = '\0';
	if(*top != -1)
	{
		for(i=0; i<=size; i++)
		{
			if(minimum == '\0')
			{
				minimum = array[i];
			}
			else
			{
				if(minimum > array[i])
				{
					minimum = array[i];
				}
			}
		}
		printf("Minimum is: %d\n",minimum);
	}
	else
	{
		printf("buddy the stack is empty add elements first\n");
	}
}
```