Assignment Day 4 | 10 October 2020

Question 1:

1.Check how much Gas is utilised for int8 and int256 for trxns.

**Int8 - Ether cost usage Code and it’s statistics**

pragma solidity ^0.5.12 < 0.6.12;

contract GasTest\_int{

int8 rollNo;  
 int8 maths;   
 int8 science;   
 int8 english;   
 int8 computer;

function gasTest\_int(int8 r, int8 m ,int8 s , int8 e , int8 c) public {

rollNo = r;  
 maths = m;  
 science = s;  
 english = e;  
 computer = c;

}

function getGasTest\_int() public view returns(int8,int8,int8,int8,int8){

return(rollNo,maths,science,english,computer);

}

}

**GAS Usage - Statics**

**transaction cost :201331**

**execution cost : 112359**

**Int256 - Ether cost usage Code and it’s statistics**

pragma solidity ^0.5.12 < 0.6.12;

contract GasTest\_int{

int256 rollNo;   
 int256 maths;   
 int256 science;   
 int256 english;  
 int256 computer;

function gasTest\_int(int256 r, int256 m ,int256 s , int256 e , int256 c) public {

rollNo = r;  
 maths = m;  
 science = s;  
 english = e;  
 computer = c;

}

function getGasTest\_int() public view returns(int256,int256,int256,int256,int256){

return(rollNo,maths,science,english,computer);

}

}

**GAS Usage - Statics**

**transaction cost :** **144009**

**execution cost : 67517**