//SPDX-License-Identifier:MIT

pragma solidity >=0.6.12 <0.9.0;

contract Datatypes{

int public temperature =-10;

uint256 public number;

uint8 public age =25;

string public text;

struct Person {

bool vote;

string name;

uint age;

}

enum Color{Red,Blue,Green}

Color public favouritecolor;

Person public person;

constructor() {

number=1 days;

text="etherum,Blockchain,Solana";

favouritecolor=Color.Green;

person.name="Dakshan";

person.age=18;

person.vote=true;

}

function op(uint256 a,uint256 b) public pure returns (uint256[5] memory) {

uint256[5] memory results;

// Addition

results[0] = a + b;

// Subtraction

results[1] = a - b;

// Multiplication

results[2] = a \* b;

// Division

results[3] = a / b;

// Modulus

results[4] = a % b;

return results;

}

function concatenateText(string memory a, string memory b) public pure returns ( string memory) {

return string(abi.encodePacked(a,b));

}

}