CT-2
CSE-315
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ID: 18101005

My id = 18101005

Ans to the ques no: 1

My id = 18101005
$$\uparrow \rightarrow 6$$

birth date = 1

sketch:

int valentine, falgun, X_0, Y_0, Z_0, M, N;

```
void setup(){
    pinMode (13, OUTPUT);  // Z0
    pinMode (10, INPUT);   // X0
    pinMode (9, INPUT);    // Y0
    pinMode (8, INPUT);    // M
    pinMode (7, INPUT);    // N
    Serial.begin (9600);

}
```

P.T.O

```
void loop() {
    Xo = digital Read (10);
    Yo = digital Read (9);
    M = digital Read (8);
    N = digital Read (7);

    while (Serial. avialable0 == 0) {};
    valent int p = Serial.read();
            p = p - 48;
        valentine = (p) & 1;

    while (Serial. available() == 0) {};
        int q = Serial.read();

      q = q - 48;
      Falgun = (q >> 1) & 1;


    if (M == 0 && N == 0) {
        . Zo = Xo | Yo | valentine;

    }
    else {
```

P. T. O

```
else if (M == 0 && N == 1){
    int   r = (14)>>> &1;
    Zo = Xo ^ Yo ^ r;
}
else if (M == 1 && N == 0){
    Zo = Yo | ((!Xo) &1) | ((!falgun)+1);
}
```