

Q1. What would be the output of following code snippet.

```
int main() {
    int size = 10;
    int *arr = new int[size];
    int r;
    cin >> r; //r is the last digit of your roll number;

    for (int i = 0; i < size; i++) {
        arr[i] = i + i;
    }

    cout << arr[r] << endl;

    delete[] arr;
    return 0;
}
```

Output:

[ 0 2 4 6 8 10 12 14 16 18 20 ]

Q2. Write a program to define struct named 'Car' with member variable 'horsepower', 'colour' and 'seating capacity' and implement a constructor for the struct that initializes the member variables.

# include <iostream>

struct Car {

int horsepower, seating\_capacity;  
 string colour;

Car() { horsepower = 69;  
 seating\_capacity = 4;  
 colour = "white";  
 };