

**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;

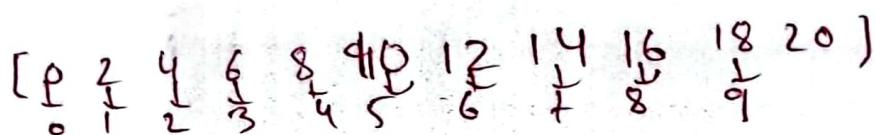
    for (int i = 0; i < size; i++) {
        arr[i] = i + i;

    }

    cout << arr[r] << endl;

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

**Output:**

[  
  
 ]

**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, seatingCapacity;
    string colour;

    Car() {
        horsepower = 69;
        seatingCapacity = 4;
        colour = "white";
    }
};
```