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Subject :- DSA

Assignment 9

## Question 1

```
PS C:\IIITS ASSIGNMENTS\Sem 2\Data Structure And Algo\Assignment 9> cd "c:\IIITS ASSIGNMENTS\Sem 2\Data Structure And Algo\Assignment 9\" ; if ($?) { gcc S20230010193_A9.c -o S20230010193_A9 } ; if ($?) { .\S20230010193_A9 }
enter the question which you have to run: 1
insert elements (enter 0 to exit the program): 4
4 got inserted and 0 collision happened during insertion
5
5 got inserted and 0 collision happened during insertion
4
4 got inserted and 2 collision happened during insertion
0
insertion operation ended
printing hash table
5 4 0 0 4
PS C:\IIITS ASSIGNMENTS\Sem 2\Data Structure And Algo\Assignment 9>
```

## Question 2

```
go\Assignment 9\" ; if ($?) { gcc S20230010193_A9.c -o S20230010193_A9 } ; if ($?) { .\S20230010193_A9 }
enter the question which you have to run: 2
enter size of input array: 7
enter first array: 2
5
9
2
9
9
7
enter second array: 7
5
9
9
9
2
2
hash table 1 : 9 9 2 2 0 5 0 7 0 9
hash table 2 : 9 9 2 2 0 5 0 7 0 9
True
PS C:\IIITS ASSIGNMENTS\Sem 2\Data Structure And Algo\Assignment 9>
```

## Question 3

```
PS C:\> cd "c:\IIITS ASSIGNMENTS\Sem 2\Data Structure And Algo\Assignment 9\" ; if ($?) { gcc S20230010193_A9.c -o S20230010193_A9 } ; if ($?) { .\S20230010193_A9 }
enter the question which you have to run: 3
Enter size of hash table: 10
Enter number of element you have to enter: 8
insert elements: 2
2 got inserted and 0 collision happened during insertion
4
4 got inserted and 0 collision happened during insertion
6
6 got inserted and 0 collision happened during insertion
5
5 got inserted and 0 collision happened during insertion
15
15 got inserted and 2 collision happened during insertion
39
39 got inserted and 1 collision happened during insertion
19
19 got inserted and 2 collision happened during insertion
12
12 got inserted and 3 collision happened during insertion
39 12 2 19 4 5 6 0 0 15
```