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Roll No. S20230010193

Subject :- ADSA

Lab Assignment 2

### Question 1

# Question 2

```
PS C:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 2> cd "c:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 2\"; if ($?) { gcc $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$202300 10193_A02 }; if ($?)
```

#### Question 3

```
PS C:\IIITS ASSIGNMENTS\sem 3\ADSA\Assignment 2> cd "c:\IIITS ASSIGNMENTS\sem 3\ADSA\Assignment 2\"; if ($?) { gcc $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$20230010193_A02.} Enter which question you want to run: 3 Enter the number of elements you want to heap: 6 Enter elements: 6

8 7

1 3

4 Created min heap: 1 3 4 8 6 7

Delete minimum (1 for yes | 0 for no): 1

After deletion of minimum: 3 6 4 8 7

Delete minimum (1 for yes | 0 for no): 1

After deletion of minimum: 4 6 7 8

Delete minimum (1 for yes | 0 for no): 1

After deletion of minimum: 6 8 7

Delete minimum (1 for yes | 0 for no): 1

After deletion of minimum: 6 8 7

Delete minimum (1 for yes | 0 for no): 1

After deletion of minimum: 7 8

Delete minimum (1 for yes | 0 for no): 0
```

#### Question 4

```
cd "c:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 2\"; if ($?) { gcc $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$202300 10193_A02 }; if ($?) { .\$202300 10193_A02.c -0 $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$202300 10193_A02 }; if ($?) { .\$202300 10193_A02.c -0 $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$202300 10193_A02 }; if ($?) { .\$202300 10193_A02.c -0 $20230010193_A02.c -0 $20230010193_A02.c -0 $20230010193_A02 }; if ($?) { .\$202300 10193_A02.c -0 $20230010193_A02.c -0 $2023001019
```

## Question 5

```
PS C:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 2> cd "c:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 2\"; if ($?) { gcc S20230010193_A02.c -o 520230010193_A02 }; if ($?) { .\S20230010193_A02.c -o 520230010193_A02.c -o 520230010193_A02 }; if ($?) { .\S20230010193_A02.c -o 520230010193_A02.c -o 520230010193_A02.c -o 520230010193_A02 }; if ($?) { .\S20230010193_A02.c -o 520230010193_A02.c -o 520230010
```