

Ques 7:

 $n = 5$

```
* * * * *
* [ ] *
* * * * *
```

$$\text{stars} = \frac{5}{n} \quad \text{row} = \times \underset{\times 5}{\underset{\times 5}{\times}} \quad n = 5$$

while($\text{row} \leq n$) {

// star

int i = 1;

while($i \leq \text{star}$) {if($\text{row} == 1 \text{ || } i == 1 \text{ || } \text{row} == n \text{ || } i == n$) {

cout(*)

else {

cout(' ')

}

}

}

i++;

}

// next line prep

row++

cout()

}

$\rightarrow * * * *$
 $\rightarrow * - - -$
 $\rightarrow * - - -$
 $\rightarrow * - - -$
 $\rightarrow * * * *$

Ques 8:

 $n = 5$

```
* [ ] *
* * * * *
* * * * *
* * * * *
* * * * *
```

$$\begin{aligned} 5 + 1 &= 6 - 1 = 5 = n = T \\ 2 + 4 &= 6 - 1 = 5 = n = T \\ 1 + 4 &= 5 - 1 = 4 = n = F \end{aligned}$$

 $(r == i \text{ || } i + r - 1 == n)$

Ques 9:

 $n = 5$

$$\text{space} = \frac{n-1}{4}$$

$$\text{stars} = 1$$

while($\text{row} \leq n$) {

// space

int i = 1;

while($j \leq \text{space}$) {

cout(' ')

i++

}

// star

int j = 1;

while($j \leq \text{star}$) {

cout(*)

j++

}

{
space =
start, end;