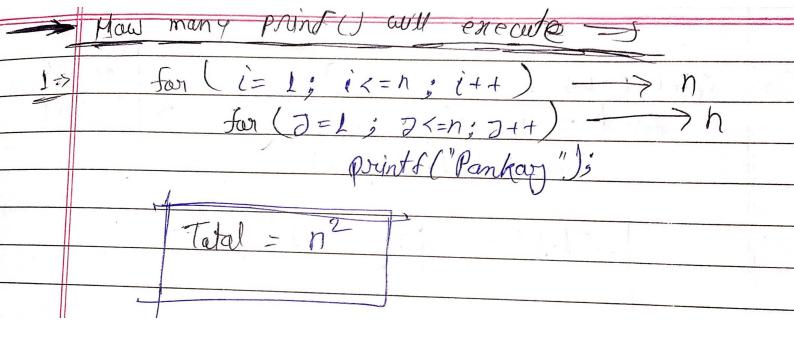
Q 1. for (I = 1; I <= n; I++)

for (J=1; J <= n; J++)

printf ("Pankaj");

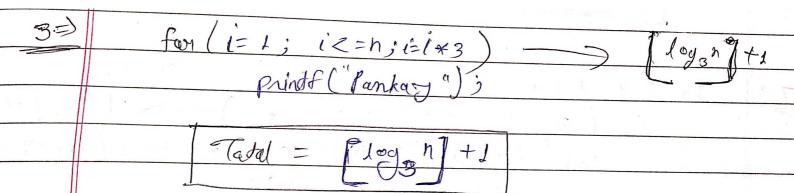


Q 2. for (I =1; I<=n; I+=2)
for(J=1;J<=n;J++)
printf("Pankaj");

for $(i=1; i \times = n; i + = 2)$ for $(j=1; j \times = n; j \leftrightarrow)$ printf("Pankay"); $Tatul = [n] \times n$

Q3. for (I=1; I<=n; I=I*3)

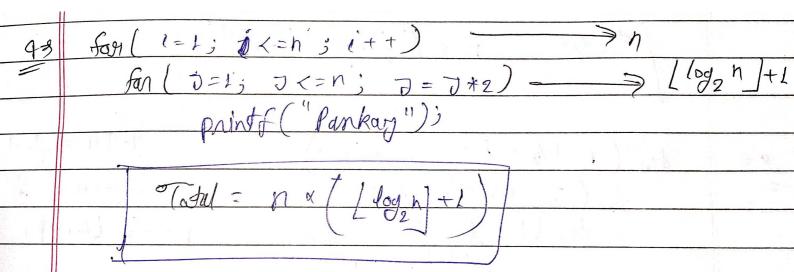
printf("Pankaj");



Q 4. for (I = 1; I <= n; I++)

for (J=1; J <= n; J=J*2)

printf("Pankaj");



Q 5. for (I =1; I<=n; I=I*2)
for(J=1;J<=n;J=J*2)
printf("Pankaj");

53 far (i=1; i < = n; $i = i \times 2$) $\longrightarrow [log_2 n] + L$ for (J = 1; J = z = n; J = J + 2) $\longrightarrow [log_2 n] + 1$ print ("lankag");

Tatal = ($[Log_1 n] + L$)

Q 6. for (I =1; I<=n; I=I*2)
for(J=1;J<=n;J=J*3)
printf("Pankaj");

| - The state of the | | | | | |
|--|---|--|--|--|--|
| 67 | for (i=1; i<=n; i=i*2) - [log_n]+1 | | | | |
| | from (D =); D <= n; D = D x 3) -> [log, n] +1 | | | | |
| describes and the second | Printf ("Panekary") | | | | |
| | | | | | |
| | Total = / log n / + L (Llog n / + L) | | | | |
| | | | | | |
| Annual Principal Annual Principal Annual Principal Annual | | | | | |
| 11 | | | | | |

```
Q 7. for (I=1; I<=n; I++)

for (J=1; J<=n; J=J*2)

for (K=1; K<=n; K=K*2)

printf("Pankaj");
```

```
Q 8. for (I= n/2; I <=n; I++)
for (J=1; J<=n/2; J++)
for(K=1; K<=n; K=K*2)
printf("pankaj"); //assume n is even
```

| 8 = | $far (i = n/2 j i z = n j i + f)$ $\frac{n - \frac{n}{2} + 1}{2} = \frac{n}{2} + 1$ |
|-----|--|
| | for () = 43] <= M2] ++) |
| | San (K= & 3 K <= h; K= K+2) → Llogn +1 |
| | printf ("Panka-j"); |
| - | |
| | |

Q 9. for (I=1; I<=n; I=I*2) for (J=1; J<= I; J++) printf("pankaj");

| ANALY STATE | | |
|-------------|------------------------------|---------------------------|
| 3. | | i=(, 7=/ |
| 93 | for (i=+; i==ix2) | No- = 0 |
| . | far (7 = 1 ; 7 <= (; 7) | 1=2, 3=12 |
| | print f ("Pankay"); | No. =(2) |
| | | 1=4, 0=1,23,4 No: =(2) |
| | $No. of times = 1 + 2 + 2^2$ | f 2 |
| | = 2 K+1 = 1 | 1 |
| | / loan / | 2 <= h |
| | = 2 32 14 | -1// |
| | | |
| П | | |

Q 10. for (I=1; I<=n; I=I*2) for (J=1; J<= I; J=J*2) printf("pankaj");

