

**Q 31.** int main()

```
{  
    int i=0;  
    for(i++; i++; i++)  
        printf("%d", i);  
    return 0;  
}
```

**Q 32.** int main()

```
{  
    int i=0;  
    for(++i; ++i; i++i)  
        printf("%d", i);  
    return 0;  
}
```

**Q 33.** int main()

```
{  
    int i=1;  
    for(; i--; i++)  
    {  
        printf("%d", i);  
    }  
}
```

31=  

```

int main()
{
    int i=0;
    for(i++; i++; i++)
        printf("%d", i);
    return 0;
}

```

~~$i++ \Rightarrow 0 \rightarrow 1$   
 $i++ \Rightarrow 1 \rightarrow 2$   
 $i++ \Rightarrow 2 \rightarrow 3$~~

Print  $\rightarrow$   
 $i=0$   
 $i++ \rightarrow 1$   
 $i++ \rightarrow 2$   
 $i++ \rightarrow 3$

Output : - 2 4 6 8 - - - -

32=  

```

int main()
{
    int i=0;
    for(++i; ++i; ++i)
        printf("%d", i);
    return 0;
}

```

Output : - 2 4 6 8 - - - - (infinite)

33=  

```

int main()
{
    int i=1;
    for(i--; i++; )
        printf("%d", i);
}

```

$i$   
 $1 \rightarrow 0 \rightarrow 1 \rightarrow 0 \rightarrow 1$   
 $i-- \Rightarrow i$   
 $i=i-1$   
 $i++$

Output : - 0 0 0 - - - -  
 infinite loop

Teacher's Signature .....

Q 34. int main()

```
{  
int i=1;  
for( ; --i; ++i)  
{  
    printf("%d", i);  
    return 0;  
}  
}
```

**Q 35.** int main()

```
{  
    int i=1;  
    for( ; --i; ++i)  
        printf("%d", i);  
    printf("%d", i);  
    return 0;  
}
```



34

```
int main()
{
    int i = 1;
    for(;; --i; ++i)
    {
        printf("y.d", i);
        return 0;
    }
}
```

i  
1 0

Output :- No output

35

```
int main()
{
    int i = 1;
    for(;; --i; ++i)
    {
        printf("y.d", i);
        printf("y.d", i);
        return 0;
    }
}
```

0

Output :- 0

Q 36. int main()

```
{  
    int i;  
    static int j=1;  
    for( i=1;i<=3; i++)  
    {  
        for( ; j<=3; j++)  
        {  
            printf("%d%d", i,j);  
        }  
    }  
    return 0;  
}
```

Q 37. int main()

```
{  
    int i;  
    static int j;  
    for( i=1;i<=3; i++)  
        for( ; j<=3; j++)  
            printf("%d%d", i,j);  
    return 0;  
}
```

36

```
int main()
{
    int i;
    static int j = 1;
    for (i = 1; i <= 3; i++)
        for (; j <= 3; j++)
            printf("%d-%d", i, j);
    return 0;
}
```

Output = 11 12 13

37

```
int main()
{
    int i;
    static int j;
    for (i = 1; i <= 3; i++)
        for (; j <= 3; j++)
            printf("%d-%d", i, j);
    return 0;
}
```

Static

By default

i = 0

Output :- 10 11 12 13

**Q 38.** `int main()`  
    {  
    `int i,j;`  
    `for( i=1,j=1;i<=3, j<=3; i++,j++)`  
        `printf("%d%d", i,j);`  
    `return 0;` }  
    7



382

```
int main()
```

```
{
```

```
    int i, j;
```

```
    for (i=1, j=1
```

```
    for (i=1, j=1; i<=3, j<=3; i++, j++)
```

```
        printf("%d %d", i, j);
```

```
    return 0;
```

```
}
```

Output: 11 22 33

Q 39. int main()

```
{  
    int i=1,j=1;  
    for( ; j; printf("%d%d", i,j))  
        j=i++<=1;  
    return 0;  
}
```

Q 40. int main()

```
{  
    int i=0;  
    for( printf("1"); i<2 && printf("2"); ++i && printf("3"))  
        printf("Pankaj");  
    return 0;  
}
```

39)

```
int main()
```

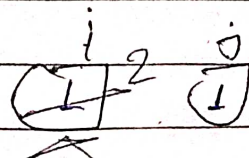
```
{ int i=1, j=1;
```

```
for (; j; printf("%d %d", i, j))
```

```
    j = i++ <= 1;
```

```
    return 0;
```

```
}
```



$i++ \Rightarrow i = 1 \Rightarrow i = 2$

$j = 1 <= 1, j = 2$

Output  $\Rightarrow$  2 1 3 0

40)

```
int main()
```

```
{ int i=0;
```

```
for (printf("1"); i <= 2 && printf("2"); ++i && printf("3"))
```

```
    printf("Pankaj");
```

```
    return 0;
```

```
}
```

Output  $\Rightarrow$  1 2 Pankaj 3 2 Pankaj 3

Teacher's Signature .....