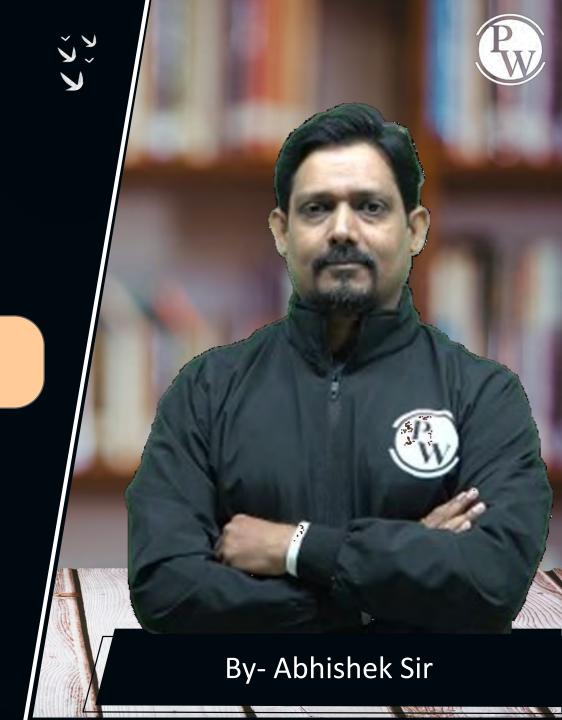
CS & IT ENGINEERING

C-Programming

Functions & Storage Classes

DPP-01 Discussion Notes



[NAT]



```
#Q. Consider the following program:
   #include<stdio.h>
   int f2(int a){
     int b=0; 6 = 0
     b=b+5; b= 6+5=5
     return a*b;
                 a = 5
   int f1(int a)
     int b;
     b=f2(a);
     return a*b;
```

```
int main(){
 int i, a=5, b=4;
 for(i=0;i<2;i++)
   b=f1(a)-f2(a);
   printf("%d\t", b);
  return 0;
   The sum of the printed values is
                    -96-(125-25
                      -96-100=-196
```

[NAT]



```
#Q. Consider the following program:
    #include<stdio.h>
   int f2(int a){
     int b=0;
     b=b+5;
     return a*b;
   int f1(int a){
     int b;
     b=f2(a);
     return a*b;
```

[MCQ]



```
#Q.
        Consider the following program:
        #include<stdio.h>
        void print(int n){
           for(n++;n++;n++)
           printf("GATE Wallah");
                                                       ("Gate wallah").
        int main(){
          void print(); ✓
          void print();
           print(-9);
           return 0;
         Which of the following is correct?
```



- A Compilation error
- B "GATE Wallah" will be printed infinite number of times.
- C "GATE Wallah" will be printed 5 times.
- "GATE Wallah" will be printed 4 times.

[MCQ]



```
#Q.
      Consider the following program.
      #include<stdio.h>
      void f(int n){
        switch(n << 1+n){
                                        n < < 1+1
1 < < 2 = (4)
         default: printf("Sresth");
         case 4: printf("Parakram");
         case 3: printf("2024");
         break;
                                                        Parakram2024
         case 2: printf("2025");
                                                        SresthParakram2024
     int main(){
       f(1);
                                                        Parakram
        return 0;
                                                        Sresth2025
      The output is-
```

[NAT]



#Q. Consider the following program: f(1,2) #include<stdio.h> int f(int b, int a){ int x; 1 2 int x; x=a << b; $x=2 << 1 = 2 \times 2 = 4$ b= 4*2 =(8) b=x*a--; return a+b-x; 1 + 8 - 4 = 6int main()printf("%d", f(1,2)); return 0; The value printed is \bigcirc

[MCQ]

```
#Q.
        Consider the following program:
        #include <stdio.h>
        int r(int num){
       return --num;
        int main(){
        int n=4;
        for (r(n);r(n++);r(--n))
                                                           123
        printf("%d\t",r(--n));
        return 0;
                                                           1234
        The output is-
                                                           3 2 1
                                                           4321
```



THANK - YOU