CS & IT ENGINERING

Programming in C

Strings DPP 01 Discussion Notes



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[NAT]

Consider the following codes P and Q as:

> Read only Memory

```
P: char* p = "GATEWallah";
```

Q: char* p ="GATEWallah";

```
char* q = p;
```

$$q[5] = 'A';$$

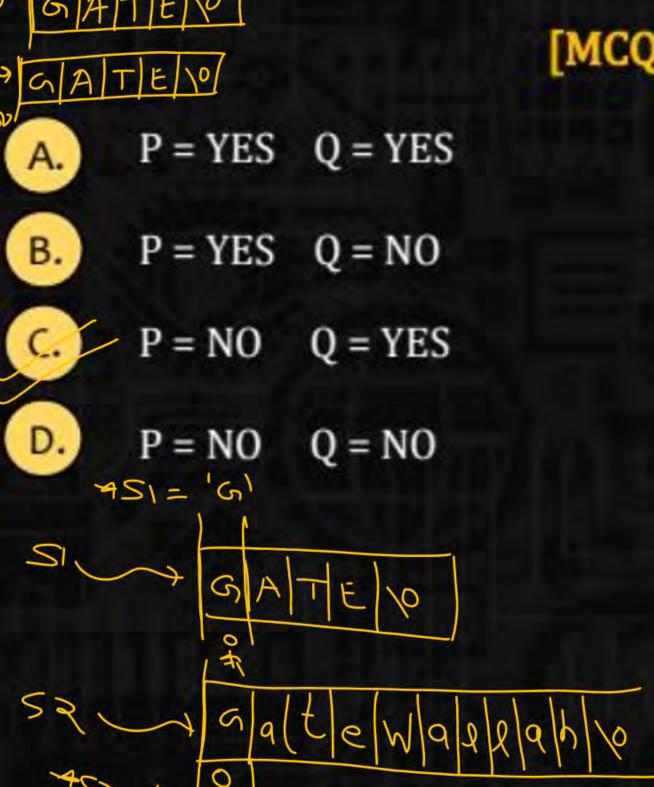
The number of INCORRECT codes is/are ______.

```
P: char s1[]="GATE";
    char s2[]="GATE";
    if(s1==s2) printf("YES");
No
    else
    printf("NO");
 Q : char s1[]="GATE";
    char s2[]="GateWallah";
    if(*s1==*s2) printf("YES");
    else
```

The outputs are-









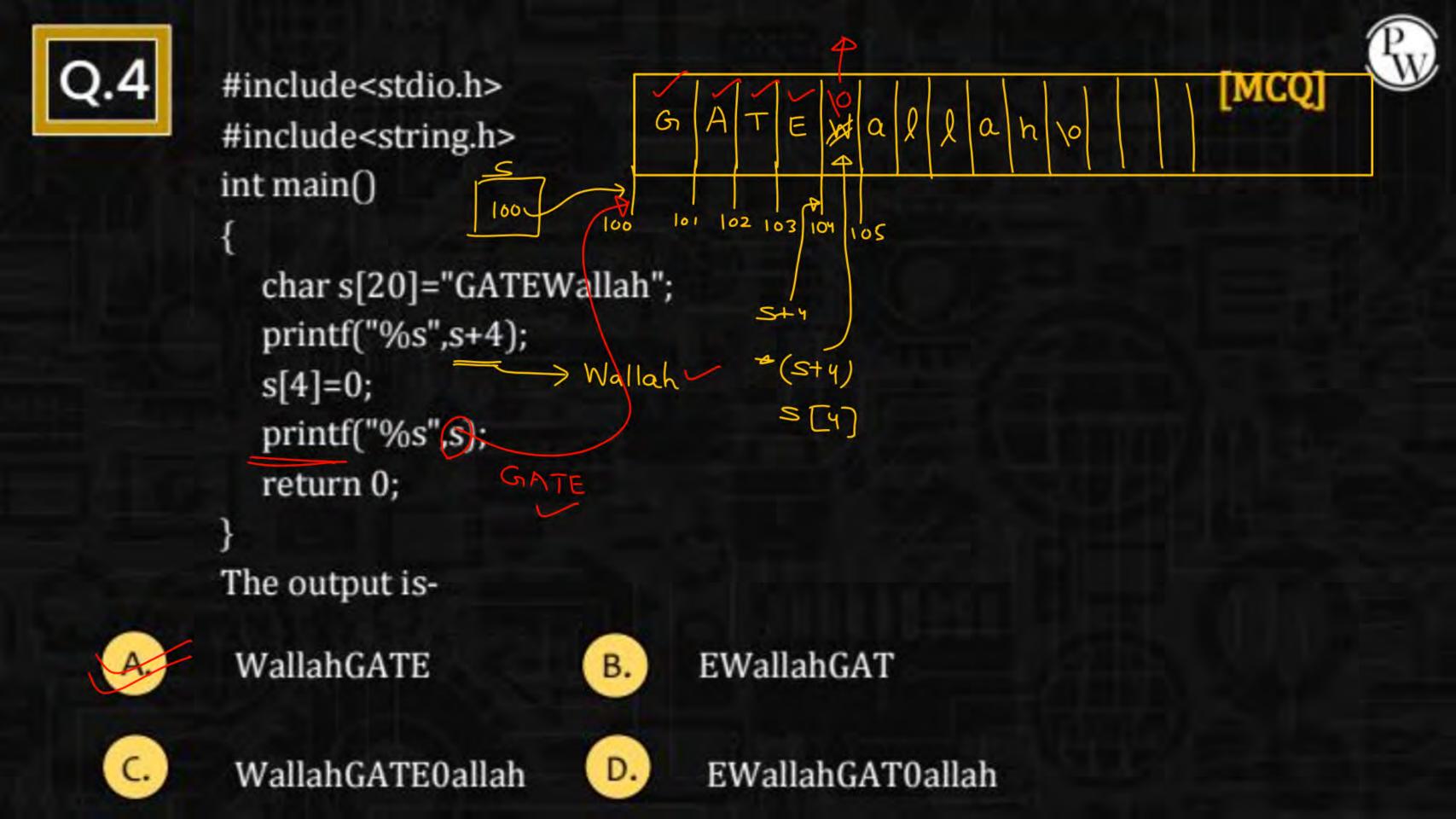


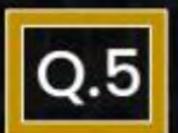
printf("Enter your GATE stream with year: \n");
gets(s);
printf("%s",s);

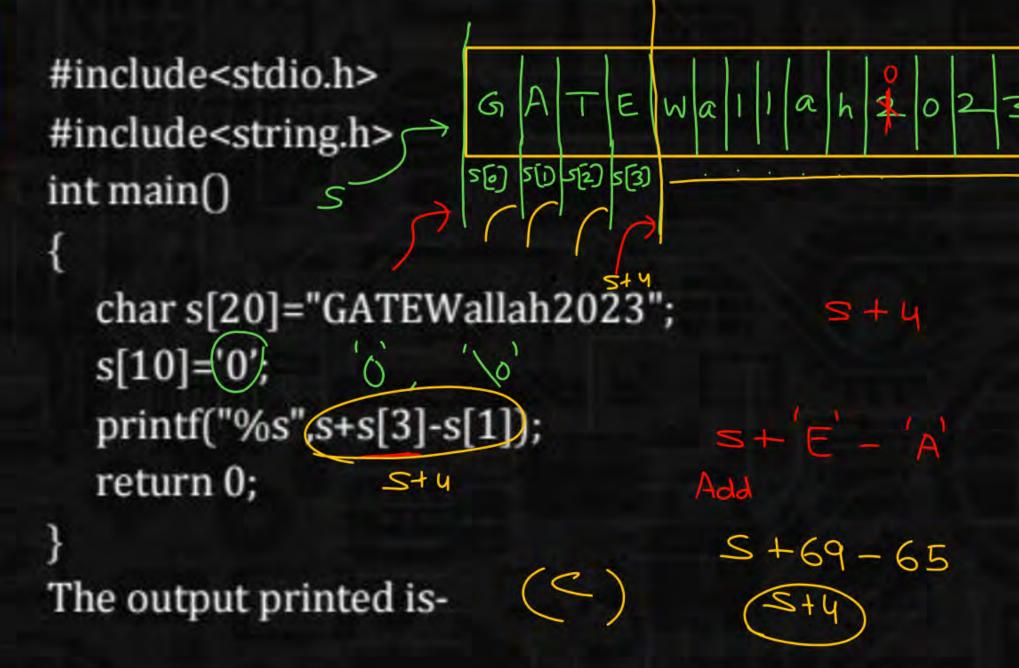
If the input string is "CS 2023", the outputs are-

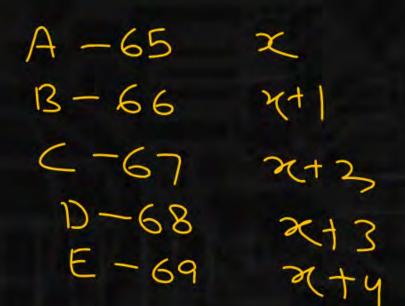
A. P=CS 2023 Q = CS 2023

- B. P = CS 2023 Q = CS
- C. P=CS Q=CS D. P=CS Q=CS 2023









[MCQ]



Wallah0

В.

Wallah2023



Wallah0023



Wallah

Q.6

```
hlbest hailo
#include<stdio.h>
                                                                    [MCQ]
#include<string.h>
                                     GATEWcllchbgsthai
void f(char *p)
                         P+S-
                                      GATEWcllbhbgsthai
  static int q=2;
                        1 (PAS)
                                                            P[8) = P[8] + 2
  q=q+3;
                                      GATEWcllchbesthai
  p[q]+=2;
                                                        (111) 1=2 f(100) P=100
                                      GATEWcllchbesthai
int main()
               P[")=P[")+2
                                      1=0
  char s[20]="GATEWallahbesthai";
                                     t (100)
  int i=0;
                                     P=)100
  for(i=0;i<3;i++){}
                                    P[4]=P[9)+2
  f(s);
   printf("%s",s);
                                 >(P+5)= a(b+2)+5
(a, +5=
   return 0;
The output string printed is-
```

```
#include<stdio.h>
#include<string.h>
                                 GATEGATE
                                                       ETAGETAG
void f(char *p){
  if(*p!=0){
                            В.
                                  ETAGGATE
                                                       GATEETAG
   printf("%c", *p);
   f(p+1);
                                   of ('G')
  printf("%c", *p);
                                                f(101)
int main()
                                                       f (102)
                            GATEETAG
  char s[5]="GATE";
  f(s);
                                               Pf('+1
                                                         (103)
  return 0;
The output is-
```



[MCQ]

P+ ('G')





```
#include<stdio.h>
#include<string.h>
int main()
  int a=1;
  char b[]="GATE2024";
  char c[]="GATE2024";
  int d=strcmp(b,c);
  if(d==0)
 a=printf("GATEWallah");
  printf("%d",a);
  return 0;
The value of a is
```



