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Role No: 22k-4777

Write the data Types of the Value Values??

"Introduction of IDE and basic programming constructs"

Ans: Given Data Type is String

• 3×10⁸

Ans: Given Data Data Type is (int)

• 30000000

Ans: Given Data Type is (int)

• 7.000000000005

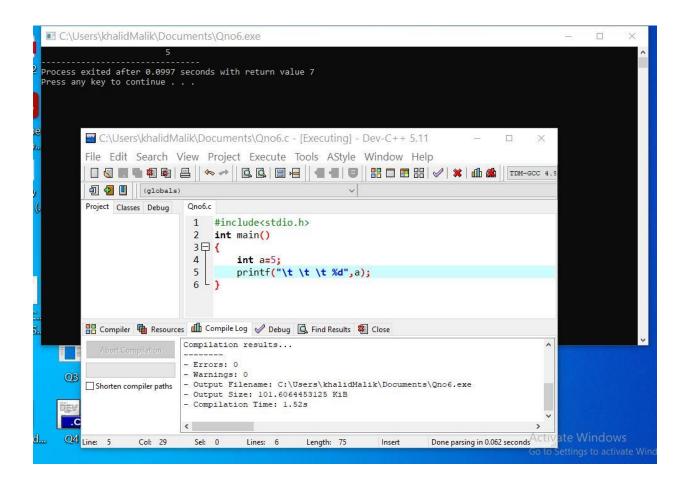
Ans: Given Data Type is (Double)

```
Q3.c
1 #include<stdio.h>
3
           int a,b,c;
                                                                                  The Value Of a after is 5
the value of b after is 4
 4
           printf("Enter the value Of a");
 5
                                                                                  Process exited after 8.222 seconds with return value 26 Press any key to continue . . .
           printf("\n");
scanf("%d",&a);
 6
 7
 8
           printf("Enter the Value of b");
 9
              printf("\n");
10
11
           scanf("%d",&b);
12
13
           c=a;
14
           a=b;
15
           b=c;
           printf("\nThe Value Of a after is %d",a);
printf("\nthe value of b after is %d",b);
16
17
18 [ }
```

```
1 #include<stdio.h>
2 ☐ int main(){
            int Tax_Rate,Salary,c,d;
printf("Costumer Salary");
printf("\n");
scanf("%d",&Salary);
3
 4
 5
 6
             printf("Tax Rate");
printf("\n");
scanf("%d",&Tax_Rate);
 7
 8
 9
             c = (Salary/100)*Tax_Rate;
printf("\n");
10
11
             d = Salary - c;
printf("\n");
printf("Tax Costumer need to pay: %d",c);
12
13
14
                   printf("\n");
15
             printf("Current Salary Of Costumer : %d",d);
16
Costumer Salary
50000
Tax Rate
Tax Costumer need to pay: 12500
Current Salary Of Costumer : 37500
Process exited after 13.4 seconds with return value 34
Press any key to continue . . .
```

Qno 5

```
Q5.c
       #include<stdio.h>
  1
       int main()
  2
  3日{
  4
           int a,b,c,d,e,f;
  5
           printf("Enter The Speed Of in First Hour (in Mile/hour)");
  6
           printf("\n");
  7
           scanf("%d",&a);
  8
           printf("Enter The Speed Of in Second Hour (in Mile/hour)");
  9
           printf("\n");
           scanf("%d",&b);
 10
           printf("Enter The Speed Of in Third Hour (in Mile/hour)");
 11
 12
           printf("\n");
 13
           scanf("%d",&c);
 14
           printf("Enter The Speed Of in Fourth Hour (in Mile/hour)");
 15
           printf("\n");
 16
           scanf("%d",&d);
 17
           printf("Enter The Speed Of in Fifth Hour (in Mile/hour)");
 18
           printf("\n");
           scanf("%d",&e);
 19
 20
           f = (a + b + c + d + e)/5;
 21
           printf("\n");
 22
           printf("The Average Speed Of Car in Five Hours : %d",f);
     L }
 23
L.\USers\kridilulvialik\Desktop\Qs.exe
Enter The Speed Of in First Hour (in Mile/hour)
Enter The Speed Of in Second Hour (in Mile/hour)
Enter The Speed Of in Third Hour (in Mile/hour)
Enter The Speed Of in Fourth Hour (in Mile/hour)
Enter The Speed Of in Fifth Hour (in Mile/hour)
The Average Speed Of Car in Five Hours : 54
Process exited after 17.22 seconds with return value 43
Press any key to continue . . .
```



```
[*] Q no 7.cpp
 4 | printf("The Principle Must be in 100 to 1000000");
                                                                                          ■ C:\Users\khalidMalik\Desktop\Q no 7.exe
                                                                                                                                                      X
       printf("\n");
printf("The Rate Of Intrest Must Be in 5 to 10");
  5
                                                                                         The Principle Must be in 100 to 1000000 The Rate Of Intrest Must Be in 5 to 10 Time Period Must Be in 1 to 10 years Enter the Value Of Principle
  6
      printf("\n");
       printf("Time Period Must Be in 1 to 10 years");
  8
      printf("\n");
                                                                                         Enter the Value Of rate of intrest
      printf("Enter the Value Of Principle");
      printf("\n");
11
                                                                                          Enter Time Period
 12
       scanf("%d",&a);
      printf("Enter the Value Of rate of intrest");
13
                                                                                         The Simple intrest is 1920
      printf("\n");
scanf("%d",&b);
 14
                                                                                          Process exited after 17.06 seconds with return value 0
Press any key to continue . . .
15
      printf("Enter Time Period");
printf("\n");
scanf("%d",&c);
16
17
 18
20 printf("The Simple intrest is %d",d);30003
21 }
 22
 Compile Log 🖉 Debug 🗓 Find Results 🐉 Close
Compilation results...
- Warnings: 0
- Output Filename: C:\Users\khalidMalik\Desktop\Q no 7.exe
- Output Size: 101.9501953125 KiB
- Compilation Time: 0.31s
```

```
#include<stdio.h>

#include<stdio.h>

If C:\Users\khalidMalik\Desktop\Lab 3 2\Qn0 8.exe

int main()

for(i=1; i<=5; i++)
{
    sleep(1);
    printf("\a");
    printf("\a");
    printf("\a");
    printf("\a");
}

printf("\n");

}

C:\Users\khalidMalik\Desktop\Lab 3 2\Qn0 8.exe

Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

#include<stdio.h>

C:\Users\khalidMalik\Desktop\Lab 3 2\Qn0 8.exe

#include<stdio.h>

Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

Press any key to continue . . . .

**Process exited after 5.1 seconds with return value 10

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Process exited after 5.1 seconds with return value 10

Process exited after 5.1 seconds with return value 10

Process exited after 5.1 seconds with return value 10

Process exited after 5.1 seconds with return value 10

Process exited after 5.1 seconds with retu
```

```
1 #include<stdio.h>
printf("a)\n");
printf(" *\n");
printf(" * *\n");
printf(" * * *\n");
printf(" * * *\n");
printf(" * * *\n\n\n\n\n\n\n");
                                                                       C:\Users\khalidMalik\Desktop\q...
                                                                                                                                 X
 8
 9
10
      printf("b)\n");
printf(" *\n");
printf(" *
printf(" *
printf(" *
printf(" *\n");
11
12
                              *\n");
* *\n");
13
14
15
                               *\n");
16
17
18
                                                                       Process exited after 0.04264 seconds with return val
19
                                                                      ue 0
Press any key to continue . . .
 Compile Log 🤣 Debug 🗓 Find Results 🐉 Close
ompilation results...
 Errors: 0
 Warnings: 0
 Wallings. O

Output Filename: C:\Users\khalidMalik\Desktop\qno9.ex

Output Size: 101.6044921875 KiB
 Compilation Time: 0.31s
                                                                                                                                                    Activate Wind
                                                                                                                                                   Go to Settings to a
```