USN – 1RN20CS035

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JOY OF CODING DAY-3

1. a] Int n=10;
   Int arr2[n];
   ANS :- initialization of variable n with 10 and declaring array named arr2 of size n=10

   b]int arr={10,20,30,40}
   ANS:-initialization of array named arr with values 10,20,30,40

   c]int arr []={10,20,30,40}
   ANS:-initialization of array named arr with values 10,20,30,40

   d]int arr[6]={10,20,30,40}
   ANS:-string 4 values 10,20,30,40 in array named arr of size 6

   e]int arr[];
   ANS:-declaring array name "arr"

   f]int arr[5];
     arr[3/2]=2;
   ANS:-it means arr[1]= 2

   g]int arr[2]={10,20,30,40,50};
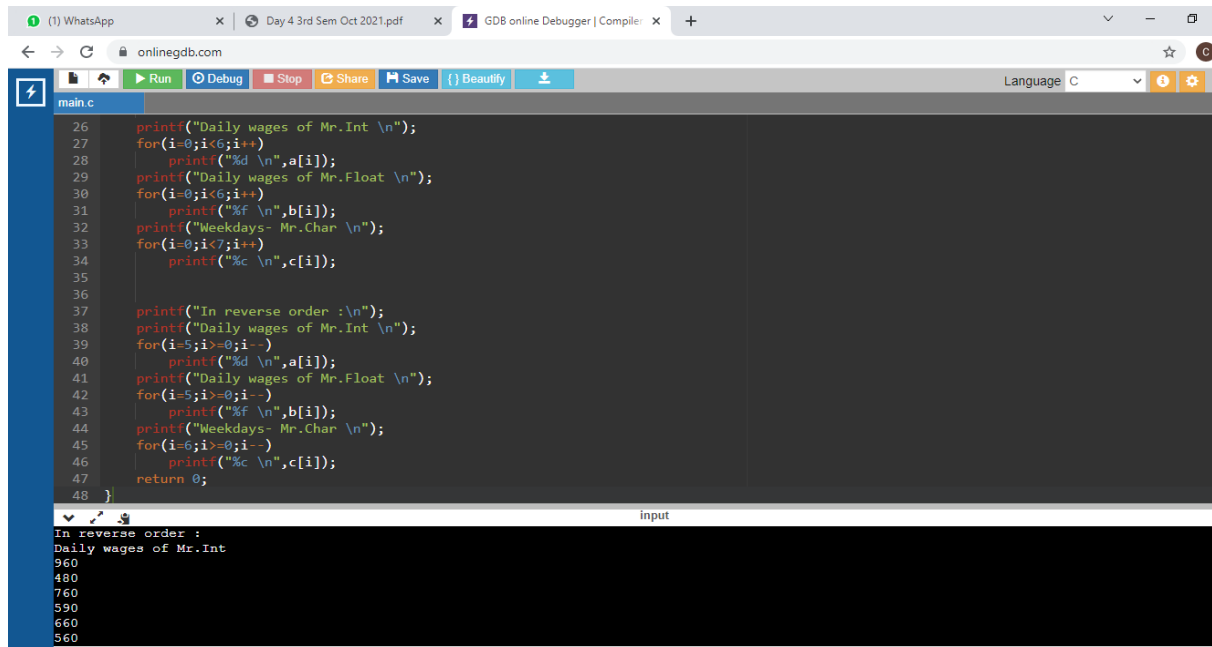   ANS:-storing only 10 and 20 in array "arr"

   h]int arr[2];
     printf("%d",arr[3]);
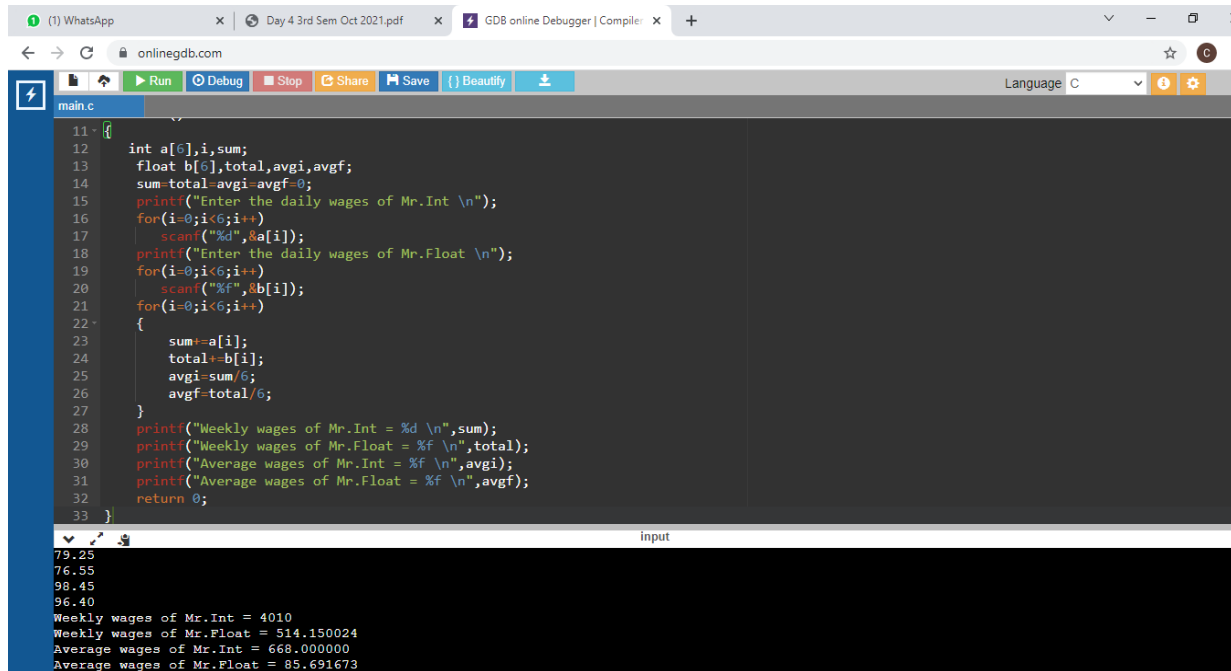   printf("%d",arr[-2]);
   ANS:-output:0(garbage value)

2.

main.c

```c
26        printf("Daily wages of Mr.Int \n");
27        for(i=0;i<6;i++)
28            printf("%d \n",a[i]);
29        printf("Daily wages of Mr.Float \n");
30        for(i=0;i<6;i++)
31            printf("%f \n",b[i]);
32        printf("Weekdays- Mr.Char \n");
33        for(i=0;i<7;i++)
34            printf("%c \n",c[i]);
35
36
37        printf("In reverse order :\n");
38        printf("Daily wages of Mr.Int \n");
39        for(i=5;i>=0;i--)
40            printf("%d \n",a[i]);
41        printf("Daily wages of Mr.Float \n");
42        for(i=5;i>=0;i--)
43            printf("%f \n",b[i]);
44        printf("Weekdays- Mr.Char \n");
45        for(i=6;i>=0;i--)
46            printf("%c \n",c[i]);
47        return 0;
48  }
```

input

```
In reverse order :
Daily wages of Mr.Int
960
480
760
590
660
560
```

3.

main.c

```c
11  {
12      int a[6],i,sum;
13      float b[6],total,avgi,avgf;
14      sum=total=avgi=avgf=0;
15      printf("Enter the daily wages of Mr.Int \n");
16      for(i=0;i<6;i++)
17          scanf("%d",&a[i]);
18      printf("Enter the daily wages of Mr.Float \n");
19      for(i=0;i<6;i++)
20          scanf("%f",&b[i]);
21      for(i=0;i<6;i++)
22      {
23          sum+=a[i];
24          total+=b[i];
25          avgi=sum/6;
26          avgf=total/6;
27      }
28      printf("Weekly wages of Mr.Int = %d \n",sum);
29      printf("Weekly wages of Mr.Float = %f \n",total);
30      printf("Average wages of Mr.Int = %f \n",avgi);
31      printf("Average wages of Mr.Float = %f \n",avgf);
32      return 0;
33  }
```

input

```
79.25
76.55
98.45
96.40
Weekly wages of Mr.Int = 4010
Weekly wages of Mr.Float = 514.150024
Average wages of Mr.Int = 668.000000
Average wages of Mr.Float = 85.691673
```

4.

```c
8  **************************************************************/
9  #include <stdio.h>
10 int main()
11 {
12
13     int A[6]={560,660,590,760,480,960};
14     float B[6]={97.50,66.0,79.25,76.55,98.45,96.40};
15     char C[6]={'M','T','W','T','F','S'};
16     int big1=A[0],loc1=0;
17     int big2=B[0],loc2=0;
18     for(int i=1;i<6;i++)
19     {
20         if(big1<A[i])
21         {
22         big1=A[i];
23         loc1=i;
24         }
25         if(big2<B[i])
26         {
27         big2=B[i];
28         loc2=i;
29         }
30     }
31     switch(loc1)
32     {
33         case 0:printf("Mr.Int can party on monday\n");break;
34         case 1:printf("Mr.Int can party on tuesday\n");break;
```

```
input
Mr.Int can party on saturday
Mr.Float can party on friday
```

5.

```c
9  #include<stdio.h>
10 int main()
11 {
12     int n,a[n],num,i,attempts=0,cnt=0;
13     printf("enter the no of chits\n");
14     scanf("%d",&n);
15     printf("enter the chit numbers\n");
16     for(i=0;i<n;i++)
17     scanf("%d",&a[i]);
18     printf("enter the number to be picked\n");
19     scanf("%d",&num);
20     for(i=0;i<n;i++)
21     {
22         if(num==a[i])
23         {
24             cnt++;
25             attempts=i+1;
26         }
27     }
28     printf("duplicate chits %d\n",cnt);
29     printf("attempts is %d",attempts);
30 }
```

```
input
1
2
4
3
2
enter the number to be picked
2
duplicate chits 2
attempts is 5
```