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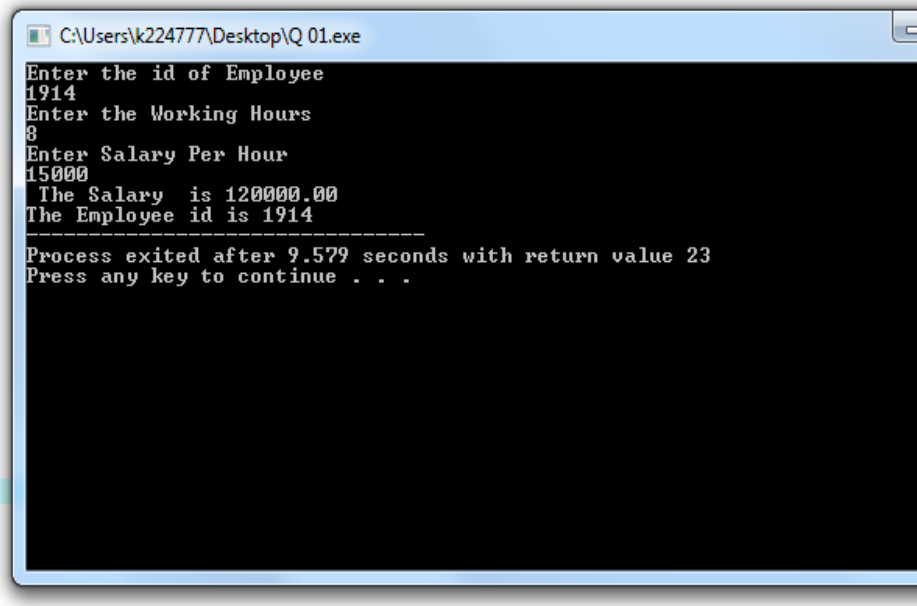
Role No : 22k4777

Qno1

Q 01.c

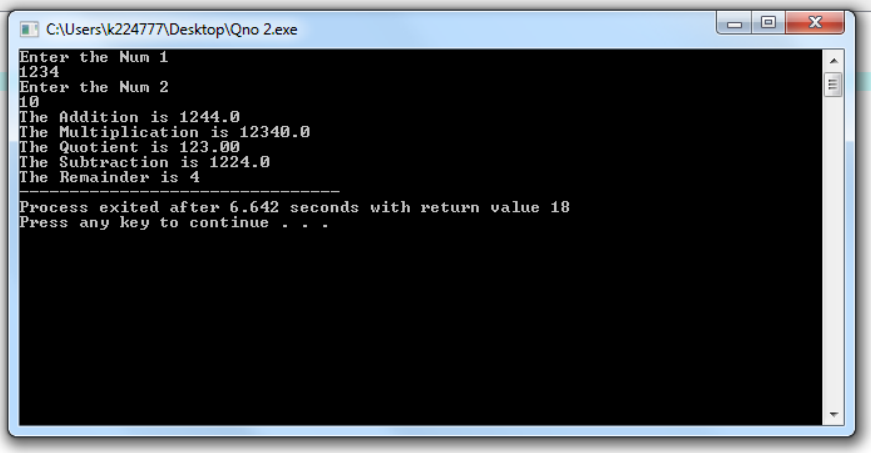
```c
#include<stdio.h>
 int main()
{
    float d;
    int a,b,c;
    printf("Enter the id of Employee");
    printf("\n");
    scanf("%d",&a);
    printf("Enter the Working Hours");
    printf("\n");
    scanf("%d",&b);
    printf("Enter Salary Per Hour");
    printf("\n");
    scanf("%d",&c);
    d=b*c;
    printf(" The Salary  is %.2f",d);
    printf("\n");
    printf("The Employee id is %d",a);


}
```



Q no2

Q 01.c | Qno 2.c

```c
#include<stdio.h>
#include<math.h>
int main(){
    int a,b;
    float c,d,e=0,f;
    int g;
printf("Enter the Num 1");
printf("\n");
scanf("%d",&a);
printf("Enter the Num 2");
printf("\n");
scanf("%d",&b);
c=a+b;
printf("The Addition is %.1f",c);
printf("\n");
d=a*b;
printf("The Multiplication is %.1f",d);
printf("\n");
e=a/b;
printf("The Quotient is %.2f",e);
printf("\n");
f=a-b;
printf("The Subtraction is %.1f",f);
printf("\n");
g=a%b;
printf("The Remainder is %d",g);



}
```



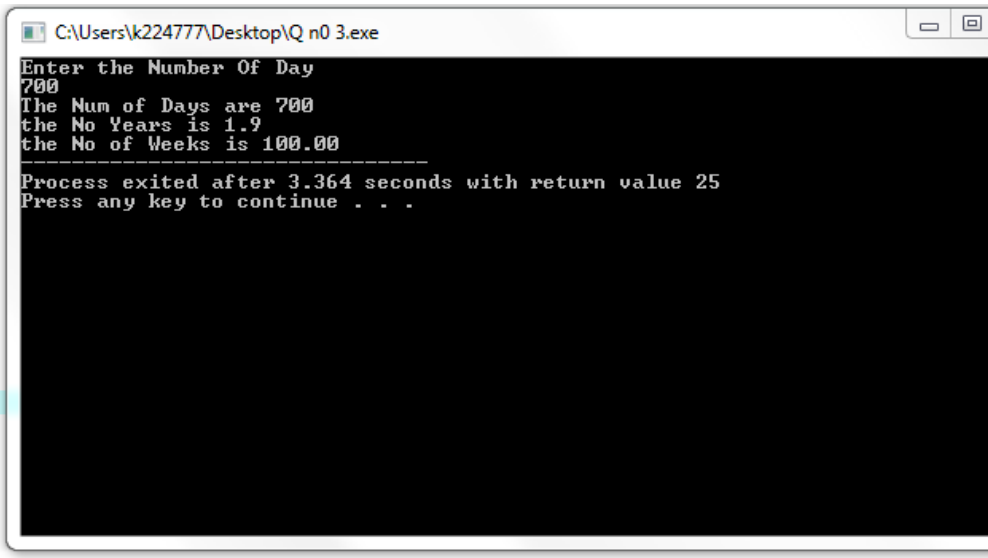
Qno3: Order Of Evaluation

Ans:

1) x=7+3*6/2-1
   a) x=7+3*6/2-1(Multiplication) "*"
   b) x=7+18/2-1 (Division) "/"
   c) x=7+9-1(Addition) "+"
   d) x=16-1(Subtraction)"-"
   e) x=15
2) x=2%2+2*2-2/2
   a) x=2%2+2*2-2/2 (Multiplication) "*"
   b) x=2%2+4-2/2 (Division) "/"
   c) x=2%2+4-1 (Mod) "%"
   d) x=0+4-1 (Addition) "+"
   e) x=4-1 (Subtraction) "-"
   f) x=3
3) X=(3*9*(3+(9*3/(3))));
   a) X=(3*9*(3+(9*3/(3)))); Multiplication"*"
   b) X=(27(3+(27/(3)))); Division "*"
   c) X=(27(3+(9))); Addition "+"
   d) X=(27*(12)); Multiplication "*"
   e) X=(324)
   f) X=324

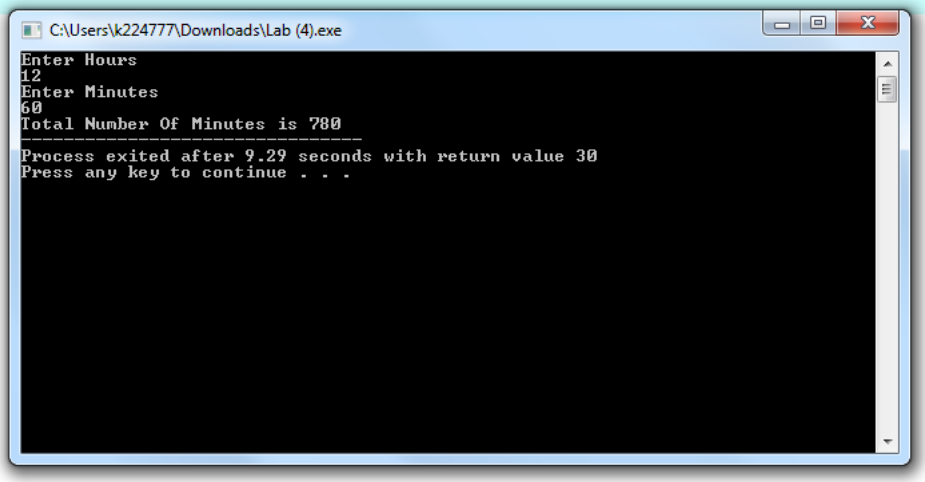
Q no 4

```c
#include<stdio.h>
int main(){
float a,b,c;
printf("Enter the Number Of Day");
printf("\n");
scanf("%f",&a);
printf("The Num of Days are %.0f\n",a);
b=a/365;
printf("the No Years is %.1f",b);
c=a/7;
printf("\n");
printf("the No of Weeks is %.2f",c);



}
```



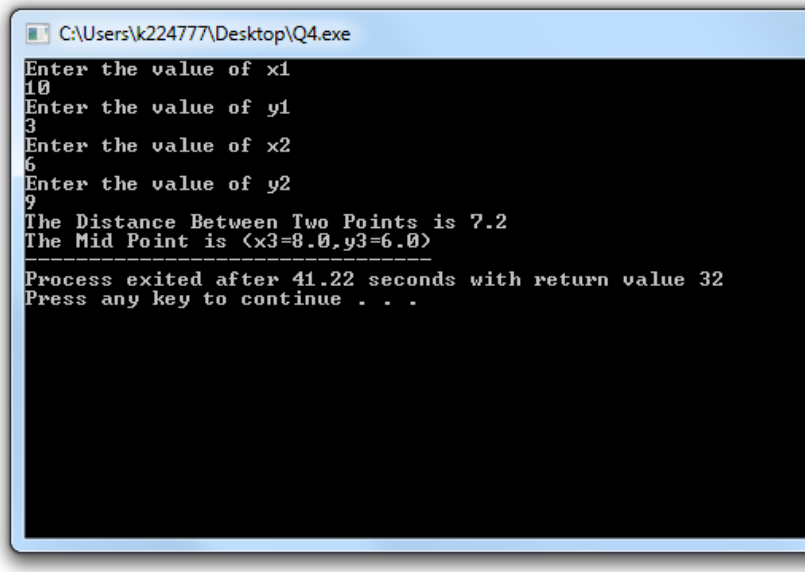
Qno5

```c
#include<stdio.h>

int main()
{
    float hours, minutes,c;
    printf("Enter Hours\n");
    scanf("%f",&hours);
    printf("Enter Minutes\n");
    scanf("%f",&minutes);
    c=(hours*60)+minutes;
printf("Total Number Of Minutes is %.f",c);

}
```



Qno6

```c
#include<stdio.h>
#include<math.h>
int main()
{
    float x1,x2,y1,y2,a,b,c,d,f,e;
    printf("Enter the value of x1");
    printf("\n");
    scanf("%f",&x1);
        printf("Enter the value of y1");
    printf("\n");
    scanf("%f",&y1);
        printf("Enter the value of x2");
    printf("\n");
    scanf("%f",&x2);
        printf("Enter the value of y2");
    printf("\n");
    scanf("%f",&y2);
    a=pow((x2-x1),2);
    b=pow((y2-y1),2);
    c=a+b;
    d=sqrt(c);
    printf("The Distance Between Two Points is %.1f",d);
    printf("\n");
    f=(x1+x2)/2;
    e=(y1+y2)/2;
    printf("The Mid Point is (x3=%.1f,y3=%.1f)",f,e);

}
```

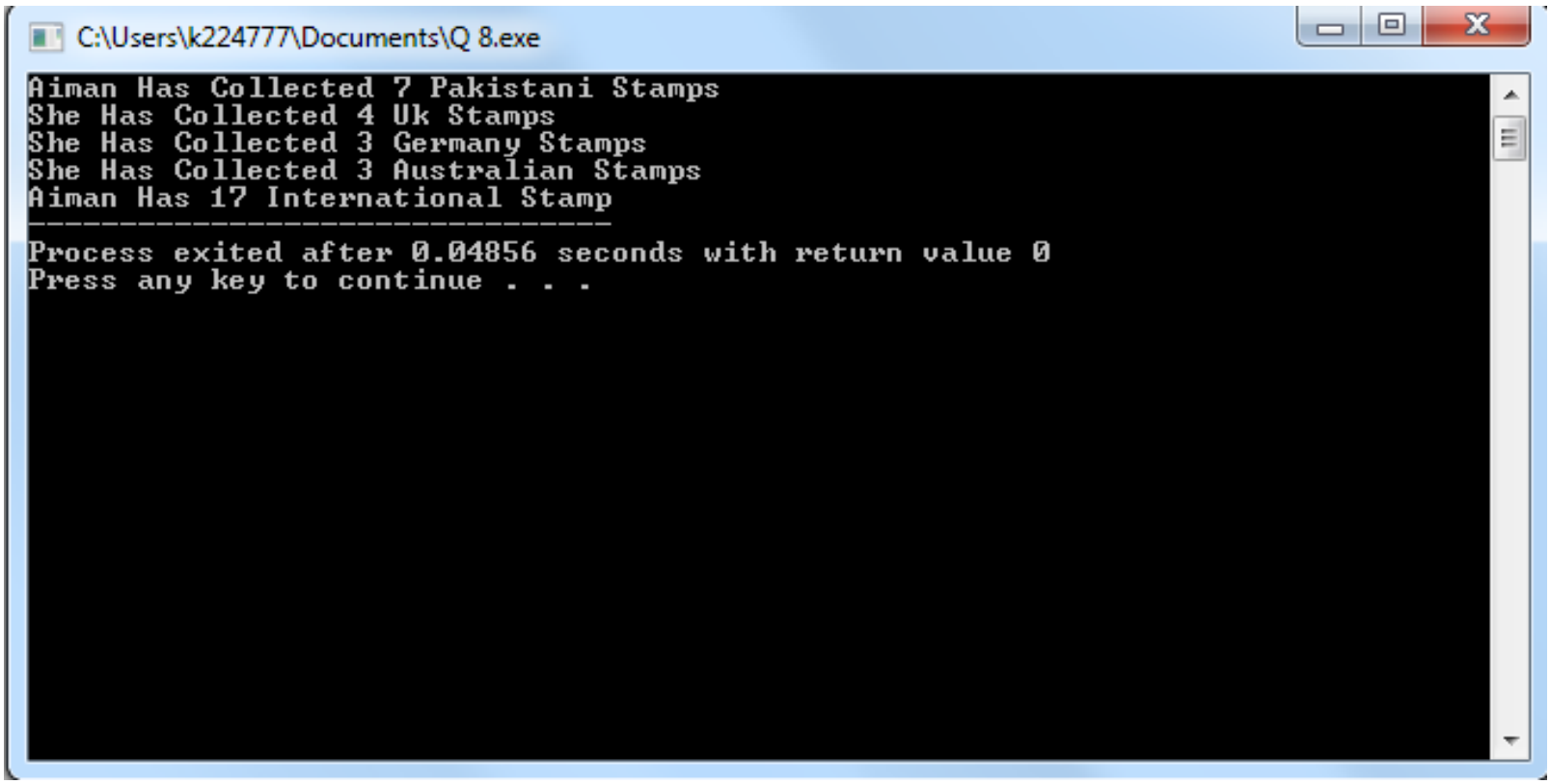


Qno7

```c
#include<stdio.h>
int main(){
int a=10/2;
int x=4,y=5;
10/2 = // Output will be 5
True OR FAlSE // Output will be True or 1
20%3 // Output will be 2
5<8 ////Condition is True
25%70 ///// Output will be 25
'A'>'H' //// In Ascii Value it is not true
Not True /// COndition is false output will 0
25/70 // Output will be 0 if we take interger Data Type Otherwise in Float it will be 0.3571428
False AND True // Output will be true
20 * 0.5 // Output will be 10
35<=35 // Condition is true


}

```

Qno8

```c
#include<stdio.h>
int main(){

int aiman_stamps;
printf("Aiman Has Collected 7 Pakistani Stamps\nShe Has Collected 4 Uk Stamps\nShe Has Collected 3 Germany Stamps\nShe Has Collected 3 Australian Stamps");
aiman_stamps=7+4+3+3;
printf("\nAiman Has %d International Stamp",aiman_stamps);
}
```



Qno9

```c
#include<stdio.h>
#include<math.h>
int main()

{
float a,b,c;
float d;
printf("Enter Your Height in meters");
printf("\n");
scanf("%f",&a);
printf("Enter Your Weight in kg");
printf("\n");
scanf("%f",&b);
c=pow(a,2);
d=b/c;
printf("Your Bmi Ratio is %.1f\n",d);
if(d<18.5){
printf("Underweight");
}
else
if((d>=18.5) && (d<=24.9))
{
printf("Normal Weight");
}
else
if ((d>=25)&& (d<29.9))
{
printf("Overweight");
}
else
if(d>=30)
{
printf("Obese");
}
}
```