

## Question 1

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int c,t;
```

```
    t=0;
```

```
    while(t==0)
```

```
    {
```

```
        scanf("%d",&c);
```

```
        if(c/1000<=10 && c/1000>0)
```

```
        {
```

```
            printf("you have entered a valid no\n");
```

```
            c=c+8;
```

```
            c=c/3;
```

```
            c=c%5;
```

```
            c=c*5;
```

```
            printf("is the final result %d\n",c);
```

```
            t=1;
```

```
        }
```

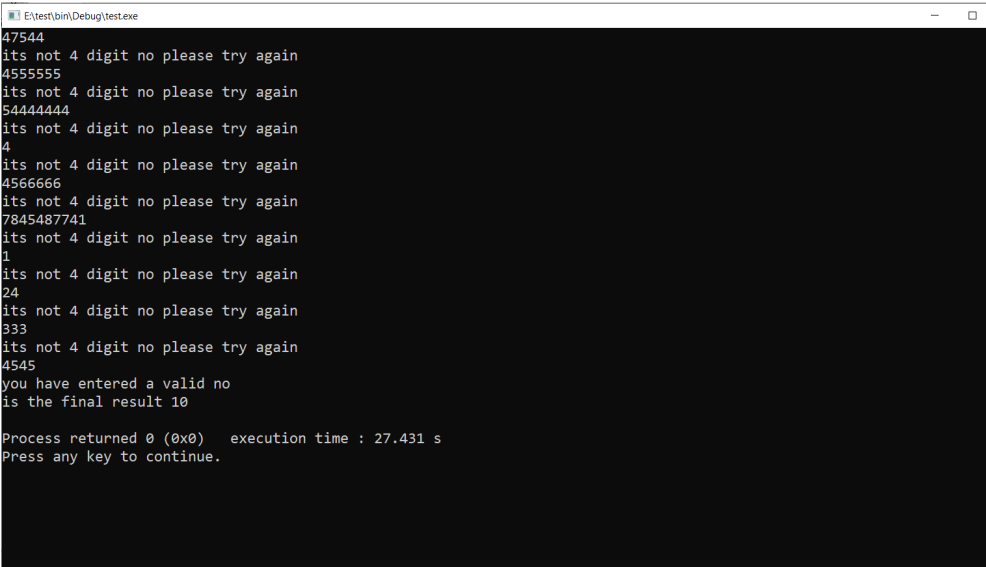
```
    else
```

```
    {
```

```
        printf("its not 4 digit no please try again\n");
```

```
    }
```

```
}
```



```
E:\test\bin\Debug\test.exe
47544
its not 4 digit no please try again
4555555
its not 4 digit no please try again
54444444
its not 4 digit no please try again
4
its not 4 digit no please try again
4566666
its not 4 digit no please try again
7845487741
its not 4 digit no please try again
1
its not 4 digit no please try again
24
its not 4 digit no please try again
333
its not 4 digit no please try again
4545
you have entered a valid no
is the final result 10

Process returned 0 (0x0)   execution time : 27.431 s
Press any key to continue.
```

```
}
```

## Question 2

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int c,t;
```

```
    t=0;
```

```
    while(t==0)
```

```
{
```

```
    scanf("%d",&c);
```

```
    if(c/1000<=10 && c/1000>0)
```

```
{
```

```
    printf("you have entered a valid no\n");
```

```
    c+=8;
```

```
    c/=3;
```

```
    c%=5;
```

```
    c*=5;
```

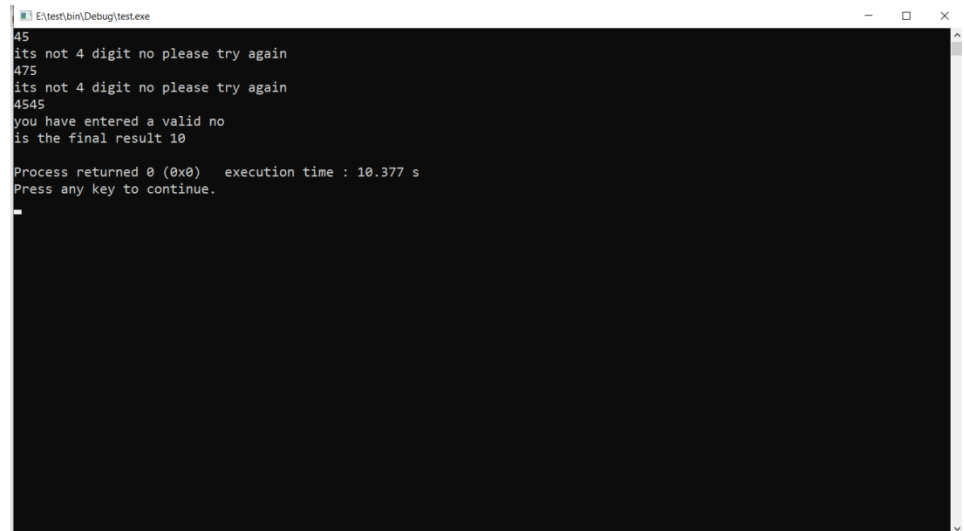
```
    printf("is the final result %d\n",c);
```

```
    t=1;
```

```
}
```

```
else
```

```
{
```



```
E:\test\bin\Debug\test.exe
45
its not 4 digit no please try again
475
its not 4 digit no please try again
4545
you have entered a valid no
is the final result 10

Process returned 0 (0x0)   execution time : 10.377 s
Press any key to continue.
```

```

        printf("its not 4 digit no please try again\n");

    }

}

}

```

### Question 3

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int c,t;
```

```
    printf("enter no 1\n");
```

```
    scanf("%d",&c);
```

```
    printf("enter no 2\n");
```

```
    scanf("%d",&t);
```

```
    c=c+t;
```

```
    t=c-t;
```

```
    c=c-t;
```

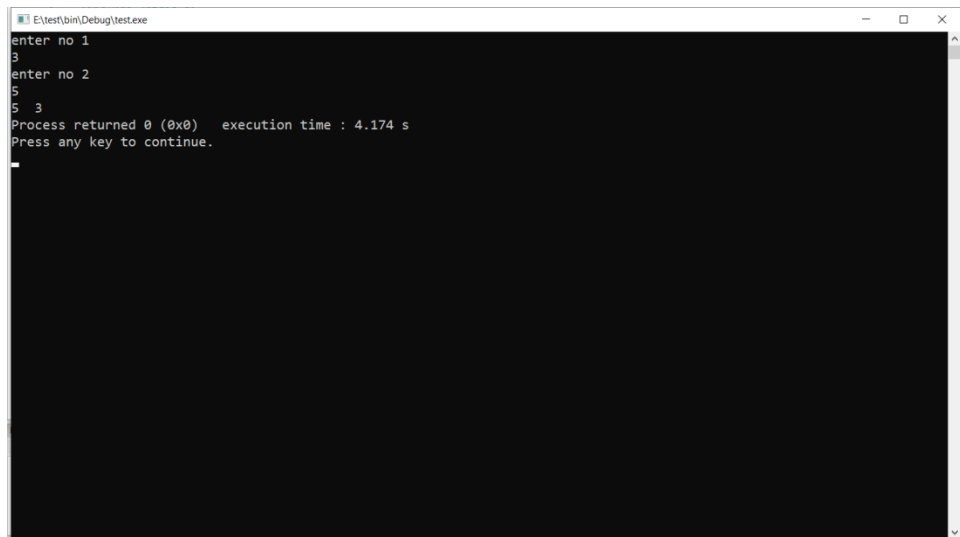
```
    printf("%d %d",c,t);
```

```
}
```

### Question 4

```
#include <stdio.h>
```

```
#include <stdlib.h>
```



```

E:\test\bin\Debug\test.exe
enter no 1
3
enter no 2
5
3
Process returned 0 (0x0) execution time : 4.174 s
Press any key to continue.

```

```

int main()

{

    int s,b,g,ga;

    b=25;

    g=45-25;

    s=45;

    ga=(0.8*s)-b;

    printf("girls who have get grade A %d",ga);

}

```

```

Select E:\test\bin\Debug\test.exe
girls who have get grade A 11
Process returned 0 (0x0) execution time : 0.042 s
Press any key to continue.

```

## Question 5

```
#include <stdlib.h>
```

```

int main()

{

    int c,t,fd,sd,sum;

    t=0;

    while(t==0)

    {

        scanf("%d",&c);

        if(c/10000<=10 && c/10000>0)

        {

            printf("you have entered a valid no\n");

            fd((((c%10000)%1000)%100)%10);

            sd((((c%10000)%1000)%100)-fd)/10;

            sum=fd+sd;

```

```

E:\test\bin\Debug\test.exe
1212
its not 5 digit no please try again
455555
its not 5 digit no please try again
4
its not 5 digit no please try again
5
its not 5 digit no please try again
123465
its not 5 digit no please try again
54545
you have entered a valid no
is the final result 9
Process returned 0 (0x0) execution time : 15.122 s
Press any key to continue.

```

```

        printf("is the final result %d\n",sum);

        t=1;

    }

    else

    {

        printf("its not 5 digit no please try again\n");

    }

}

}

```

### Question 6

```
#include<math.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int c,fd,t,sd=0,count,i;
```

```
    t=0;
```

```
    while(t==0)
```

```
{
```

```
    scanf("%d",&c);
```

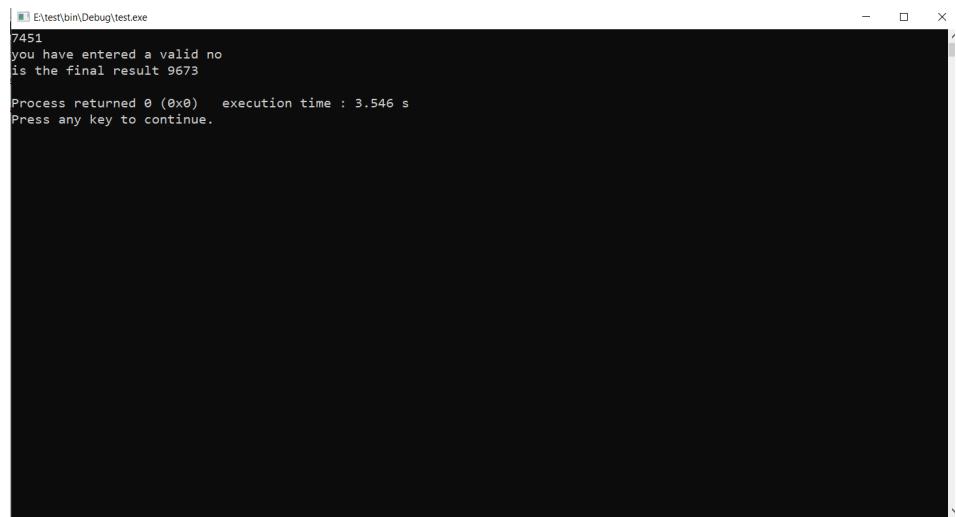
```
    if(c/1000<=10 && c/1000>0)
```

```
{
```

```
    printf("you have entered a valid no\n");
```

```
    for (i=1;i<5;i++)
```

```
{
```



```

E:\test\bin(Debug)\test.exe
7451
you have entered a valid no
is the final result 9673

Process returned 0 (0x0)   execution time : 3.546 s
Press any key to continue.

```

```

count=i;

i=pow(10,i);

fd=(c%i)/(i/10);

i=i/10;

if (fd==9)

{

    sd+=((1)*i);

}

else if (fd==8)

{

    sd+=((0)*i);

}

else

{

    sd+=((fd+2)*i);

}

i=count;

}

printf("is the final result %d\n",sd);

t=1;

}

else

{

```

```

        printf("its not 4 digit no please try again\n");
    }
}
}

```

### Question 7

```
#include<math.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int c,fd,t,sd=0,count,i;
```

```
    t=0;
```

```
    while(t==0)
```

```
{
```

```
    scanf("%d",&c);
```

```
    if(c/100<=10 && c/100>0)
```

```
{
```

```
    printf("you have entered a valid no\n");
```

```
    for (i=1;i<4;i++)
```

```
{
```

```
        count=i;
```

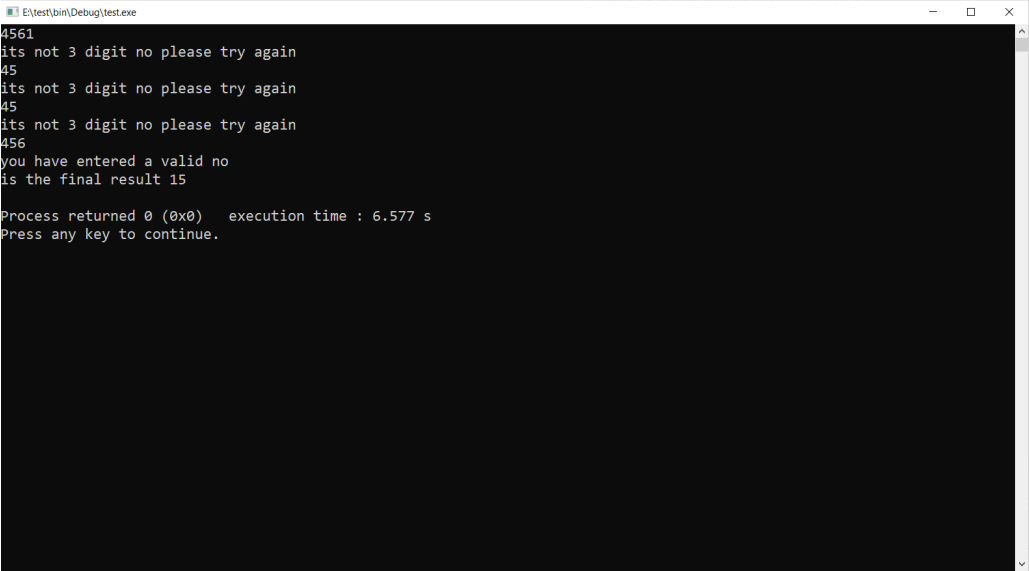
```
        i=pow(10,i);
```

```
        fd=(c%i)/(i/10);
```

```
        i=i/10;
```

```
        sd+=fd;
```

```
        i=count;
```



```

E:\test\bin\Debug\test.exe
4561
its not 3 digit no please try again
45
its not 3 digit no please try again
45
its not 3 digit no please try again
456
you have entered a valid no
is the final result 15

Process returned 0 (0x0)   execution time : 6.577 s
Press any key to continue.

```

```

    }

    printf("is the final result %d\n",sd);

    t=1;
}

else
{
    printf("its not 3 digit no please try again\n");
}
}
}

```

#### Question 8

```

#include<math.h>

#include <stdlib.h>

int main()
{
    int c,fd,t,sd=0,count,i;

    t=0;

    while(t==0)
    {
        scanf("%d",&c);

        if(c/100<=10 && c/100>0)
        {
            printf("you have entered a valid no\n");

```

```

E:\test\bin\Debug\test.exe
7456
its not 3 digit no please try again
45
its not 3 digit no please try again
745
you have entered a valid no
is the final result 547
Process returned 0 (0x0)   execution time : 7.280 s
Press any key to continue.

```



```
for (i=1;i<4;i++)  
{  
    count=i;  
    i=pow(10,i);  
    fd=(c%i)/(i/10);  
    sd+=(fd*(pow(10,3-count)));  
    i=count;  
}  
  
printf("is the final result %d\n",sd);  
t=1;  
}  
else  
{  
    printf("its not 3 digit no please try again\n");  
}  
}  
}
```