

## ASSIGNMENT-2

### QUESTION 1

```
#include<stdio.h>

int main()
{
    printf("ABHISEKH PATTNAYAK-SOA University");
    return 0;
}
```

### QUESTION 2

```
#include<stdio.h>

int main()
{
    printf("NAME-ABHISEKH PATTNAYAK\n");
    printf("PHONE NUM-82XXXX1012\n");
    printf("Email-pattnayakabhi374@gmail.com\n");
    return 0;
}
```

### QUESTION 3

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

```
int main()
{
    int num;
    float f;
    char ch;

    printf("Enter integer\n");
```

```

scanf("%d", &num);
printf("Enter a Decimal number\n");
scanf("%f", &f);
printf("Enter a Character\n");
scanf("%c", &ch);
printf("\nThe number is %d ", num);
printf("\nThe fraction is %f", f);
printf("\nThe character is %c", ch);
return 0;
}

```

#### QUESTION 4

```

#include<stdio.h>

int main()
{
    int number, cube;
    printf(" Please Enter any number : ");
    scanf("%d", &number);
    cube = number * number * number;
    printf("\n Cube of a given number %d is = %d", number, cube);
    return 0;
}

```

#### QUESTION 5

```

#include <stdio.h>

```

```

int main()
{

int x, y, z, a, b, sum;

```

```
printf("enter 5 numbers :");  
scanf("%d%d%d%d%d",&x,&y,&z,&a,&b);  
sum=x+y+z+a+b;  
printf("\n Sum of Three Number is = %d", sum);  
return 0;  
  
}
```

### QUESTION 6

```
#include <stdio.h>  
int main()  
{  
    int mrk1, mrk2, avg;  
  
    printf("Enter first subject mark: ");  
    scanf("%d",&mrk1);  
    printf("Enter second subject mark: ");  
    scanf("%d",&mrk2);  
  
    avg=(mrk1+mrk2)/2;  
  
    printf("Average of %d and %d is: %d",mrk1,mrk2,avg);  
  
    return 0;  
}
```

### QUESTION 7

```
#include <stdio.h>  
int main()  
{  
    int isd,rtd,td,x,y,z,chrq;
```

```

printf("Enter issued date, return date,today: ");
scanf("%d,%d,%d",&isd,&rtd,&td);
x=rtd-isd;
y=td-isd;
z=y-x;
chrg=z*0.20;
printf("total fine chargeed is %d :",chrg);
return 0;
}

```

### QUESTION 8

```

#include <stdio.h>
int main()
{
    float disc=0.15, cst=29.00,dp,netp;
    dp=29.00*0.15;
    netp=29.00-dp;
    printf("net price for shirt is %f :",netp);
    return 0;
}

```

### QUESTION 9

```

int main() {
    int x,y,z;
    printf("Enter first number: ");
    scanf("%d", &x);
    printf("Enter second number: ");
    scanf("%d", &y);
    z= x;
}

```

```
x = y;
y = z;
printf("\nAfter swapping, firstNumber = %d\n",x);
printf("After swapping, secondNumber = %d",y);
return 0;
}
```

### QUESTION 10

```
#include<stdio.h>

int main()
{
int a=45, b=70;
printf("Before swap a=%d b=%d",a,b);
a=a+b;
b=a-b;
a=a-b;
printf("\nAfter swap a=%d b=%d",a,b);
return 0;
}
```

# OUTPUTS

Q1

The screenshot displays the Programiz Online C Compiler web application. The browser's address bar shows the URL `programiz.com/c-programming/online-compiler/`. The page header includes the Programiz logo and a navigation bar with a 'Learn More' button and a promotional banner that reads 'LOOKING TO LEARN PROGRAMMING? Start your programming journey with Programiz AT NO COST.'.

The main workspace is divided into two panels. The left panel, titled 'main.c', contains the following C code:

```
1 #include<stdio.h>
2 int main()
3 {
4     printf("ABHISEKH PATTNAYAK-SOA University");
5     return 0;
6 }
```


The right panel, titled 'Output', shows the execution results. The first line indicates the temporary file path: `/tmp/U02bj4PgaX.o`. The second line displays the output of the program: `ABHISEKH PATTNAYAK-SOA University`.


Q2


Online C Compiler


New Tab




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 main.c





```
1 #include<stdio.h>
2 int main()
3 {
4     printf("NAME-ABHISEKH PATTNAYAK\n");
5     printf("PHONE NUM-82XXXX1012\n");
6     printf("Email-pattnayakabhi374@gmail.com\n");
7     return 0;
8 }
```


Output


/tmp/U02bj4PgaX.o  
NAME-ABHISEKH PATTNAYAK  
PHONE NUM-82XXXX1012  
Email-pattnayakabhi374@gmail.com


Q4




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C Online Compiler


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main.c





```
1 #include<stdio.h>
2
3 int main()
4 {
5     int number, cube;
6
7     printf(" Please Enter any number : ");
8     scanf("%d", &number);
9
10    cube = number * number * number;
11
12    printf("\n Cube of a given number %d is = %d", number, cube);
13
14    return 0;
15 }
```

Output

```
/tmp/U02bj4PgaX.o
Please Enter any number : 4
Cube of a given number 4 is = 64
```



Q5

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main.c

Run

Output

```
1 #include <stdio.h>
2
3 int main()
4 {
5
6 int x, y, z, a, b, sum;
7 printf("enter 5 numbers :");
8 scanf("%d%d%d%d%d",&x,&y,&z,&a,&b);
9 sum=x+y+z+a+b;
10 printf("\n Sum of Three Number is = %d", sum);
11 return 0;
12
13 }
14
```

/tmp/U02bj4PgaX.o

enter 5 numbers :4 5 6 9 8

Sum of Three Number is = 32

Q6

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main.c

Run

Output


```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3 int main()
4 {
5     int mrk1, mrk2, avg;
6
7     printf("Enter first subject mark: ");
8     scanf("%d",&mrk1);
9     printf("Enter second subject mark: ");
10    scanf("%d",&mrk2);
11
12    avg=(mrk1+mrk2)/2;
13
14    printf("Average of %d and %d is: %d",mrk1,mrk2,avg);
15    return 0;
16 }
```

```
/tmp/oXEAzpwInX.o
Enter first subject mark: 70
Enter second subject mark: 50
Average of 70 and 50 is: 60
```

Q7

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main.c

Run

Output

```
1 #include <stdio.h>
2 int main()
3 {
4     int isd,rtd,td,x,y,z,chr;
5
6     printf("Enter issued date, return date,today: ");
7     scanf("%d,%d,%d",&isd,&rtd,&td);
8     x=rtd-isd;
9     y=td-isd;
10    z=y-x;
11    chr=z*0.20;
12    printf("total fine chargeed is %d :",chr);
13    return 0;
14 }
```

/tmp/U02bj4PgaX.o

Enter issued date, return date,today: 2,15,27


total fine chargeed is 2 :


Q8

Online C Compiler


New Tab




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C Online Compiler




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main.c



```
1 #include <stdio.h>
2 int main()
3 {
4     float disc=0.15, cst=29.00,dp,netp;
5     dp=29.00*0.15;
6     netp=29.00-dp;
7     printf("net price for shirt is %f :",netp);
8     return 0;
9 }
```

Output

/tmp/U02bj4PgaX.o  
net price for shirt is 24.650000 :|

Waiting for securepubads.g.doubleclick.net...

Q 9

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main.c

Run

```
1 #include<stdio.h>
2 int main() {
3     int x,y,z;
4     printf("Enter first number: ");
5     scanf("%d", &x);
6     printf("Enter second number: ");
7     scanf("%d", &y);
8     z= x;
9     x = y;
10    y =z;
11    printf("\nAfter swapping, firstNumber = %d\n",x);
12    printf("After swapping, secondNumber = %d",y);
13    return 0;
14 }
```


Output


/tmp/U02bj4PgaX.o  
Enter first number: 4  
Enter second number: 5  
  
After swapping, firstNumber = 5  
After swapping, secondNumber = 4

## Q 10




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main.c



```
1 #include<stdio.h>
2 int main()
3 {
4     int a=45, b=70;
5     printf("Before swap a=%d b=%d",a,b);
6     a=a+b;
7     b=a-b;
8     a=a-b;
9     printf("\nAfter swap a=%d b=%d",a,b);
10    return 0;
11 }
```

Output

/tmp/U02bj4PgaX.o  
Before swap a=45 b=70  
After swap a=70 b=45

Waiting for pubgalaxy-d.openx.net...