

**QN2**

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

char name[8];
printf("Enter your name:\n");
scanf("%s",&name);

//printf("Your name is %s\n",name);

printf("Your first letter is %c\n",name[0]);

return 0;
}
```

**Qn3 (i):**

```
#include<stdio.h>

int main()
{
int value=20;//global variable

void check_local(){
int x=10;//local variable

printf("Local variable %d\n",x);
}

//printing the global variable;
printf("Global variable declared %d\n",value);
check_local();
return 0;
}
```

**Quiz 3(ii)**

```
#include <stdio.h>

void changeByValue(int num) {

    printf("Before adding value inside function num=%d \n",num);
    num=num+100;
    printf("After adding value inside function num=%d \n", num);
}

void changeByReference(int *num) {
    printf("Before adding value inside function num=%d \n",*num);
    (*num) += 100;
}
```

```

    printf("After adding value inside function num=%d \n", *num);
}
int main() {
    int x=100;
    printf("\n\nCall by VALUE:\n");
    printf("Before function call x=%d \n", x);
    changeByValue(x);//passing value in function
    printf("After function call x=%d \n", x);
    printf("\n\nCall by REFERENCE:\n");
    printf("Before function call x=%d \n", x);
    changeByReference(&x);//passing reference in function
    printf("After function call x=%d \n", x);

    return 0;
}

```

#### Qui4:

```

#include <stdio.h>
int main()
{
    int n, i, sum=0;
    printf("Enter a positive integer:");
    scanf("%d",&n);

    while(n>10){
        printf("\nWrong Number. Should be less than 10\n");
        printf("Enter a positive integer:");
        scanf("%d",&n);
    }
    for(i=1; i<=n;++i){
        sum +=i;
    }
    printf("\nSum of digits from 0 to %d is = %d\n\n",n,sum);

    return 0;
}

```

#### Quiz5:

```

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

    int a,x;
    a=18;
    x=a>>1;
    printf("%d %d",a,x);

    return 0;
}

```

```
}
```

#### Quiz6:

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

```
int main()
{
    int day;
    printf("Enter the Day Number: ");
    scanf("%d",&day);
    switch(day)
    {
        case 1:
            printf("It is Sunday");
            break;
        case 2:
            printf("It Monday.");
            break;
        case 3:
            printf("It Tuesday.");
            break;
        case 4:
            printf("It Wenesday.");
            break;
        case 5:
            printf("It Friday.");
            break;
        case 6:
            printf("It Saturday.");
            break;
        case 7:
            printf("It Sunday.");
            break;
        default:
            printf("\nError - That is not a day of the week\n\n");
    }
    return 0;
}
```

#### Quiz7:

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

```
main()
{
    int marks[3][5];
    float sum=0;
    float average;
    int i,j;
    printf("\nTOTAL NUMBER OF STUDENTS 3 \n");
```

```

for(i=0;i<3;i++)
{
printf("\nEnter Score for Student %d: \n",i+1);
for(j=0;j<5;j++)
{
printf("Enter marks for subject %d: ",j+1);
scanf("%d",&marks[i][j]);

while(marks[i][j]<0 || marks[i][j]>100)
{
printf("\nInvalid Score. Should be between 0 and 100\n");
printf("Enter marks for subject %d: ",j+1);
scanf("%d",&marks[i][j]);
}
}
printf("\n");
}
printf("NUMBER\tSUB 1\tSUB 2\tSUB 3\tSUB 4\tSUB 5\tTOTAL\tAVERAGE\n");
for(i=0;i<3;i++)
{
printf("%d\t",i+1);
for(j=0;j<5;j++)
{
printf("%d\t",marks[i][j]);
sum+=marks[i][j];
}
average=sum/5;
printf("%.f\t%.2f\t",sum,average);
sum=0;
printf("\n");
}
return 0;
}

```

### Quiz 8:

```

#include <stdio.h>
int main()
{
float temperature,fahrenheit;
printf("Enter temperatures in Degrees:\n");
scanf("%f",&temperature);

fahrenheit=(temperature + 32) * 5/9;
//fahrenheit= (temperature + 32) * 0.5555556;

printf("\n%.2f Degrees = %.2f Fahrenheit", temperature,fahrenheit);
return 0;
}

```

**Quiz9:**

```
#include <stdio.h>
int main()
{
    int n,reversedNumber=0, remainder;
    printf("Enter an integer:");
    scanf("%d",&n);

    while(n !=0)
    {
        remainder=n%10;
        reversedNumber= reversedNumber *10 +remainder;
        n /=10;
    }
    printf("Reversed Number = %d",reversedNumber);

    return 0;
}
```

**Quiz 10:**

```
#include <stdio.h>
int main()
{
    double number, sum=0;
    do
    {
        printf("Enter the number: ");
        scanf("%lf",&number);
        sum+=number;
    }
    while(number !=0.0);
    printf("Sum = %.2lf",sum);

    return 0;
}
```