

# Assignment -1

## Question 1

```
#include <stdio.h>

int main()
{
    int n,res=1,i;
    scanf("%d",&n);
    for(i=1;i<=n;i++){
        res*=i;
    }
    printf("%d",res);
    return 0;
}
```

Line: 7 Col: 10

```
4
24Program ended with exit code: 0
```

All Output

Filter

## Question 2

```
#include <stdio.h>

int main()
{
    int n;
    scanf("%d",&n);
    int a[n];
    int flag=0;
    for(int i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    int j=0;
    int k=n-1;
    while(j<k){
        if(a[j]!=a[k]){
            flag=1;
            break;
        }
        j++;
        k--;
    }

    if(flag==1){
        printf("Not pallindrome");
    }
    else{
        printf(" pallindrome");
    }
    return 0;
}
```

```
4
1
2
2
1
pallindromeProgram ended with exit code: 0
```

All Output ▾

Line: 27 Col: 17

### Question 3

```
#include <stdio.h>

int main()
{

    int n; scanf("%d",&n);
    int flag=0;
    for(int i=2;i<n/2;i++){
        if(n%i==0){
            flag=1;
            break;
        }
    }
    if(flag==1){
        printf("not prime");
    }
    else{
        printf(" prime");
    }
    return 0;
}
```

```
5
primeProgram ended with exit code: 0
```

All Output ↕

Filter

## Question 4

```
#include <stdio.h>

int main()
{
    int n;
    scanf("%d",&n);
    int a[n];
    int max=-1;
    for(int i=0;i<n;i++){
        scanf("%d",&a[i]);
        if(a[i]>max){
            max=a[i];
        }
    }

    printf("%d",max);

    return 0;
}
```

```
4
1
2
4
5
Program ended with exit code: 0
```

All Output ▾ Filter 🗑️ 🔍 🔍

## Question 5

```
#include <stdio.h>

int main()
{
    for(int i=0;i<5;i++){
        for(int j=0;j<9;j++){
            if(j==4){
                printf("%c",65+i);
            }
            else if (j<4 && j>=4-i){
                printf("%c",65-(4-j-i));
            }
            else if (j>4 && j<=4+i){
                printf("%c",65+(4-j+i));
            }
            else{
```

```
        printf(" ");
    }
}
printf("\n");
}

return 0;
}
```

Line: 21 Col: 29

```
A
ABA
ABCBA
ABCD CBA
ABCDEDCBA
Program ended with exit code: 0
```

All Output Filter

## Question 6

#include <stdio.h>

#include <string.h>

```
void strdel(char s[],int start,int end,int length){
    int k=0,i=0;
    char ans[100];
    while(s[i]!='\0')
    {
        if(i>=start && i<= end)
        {
            i++;
        }
        else{
            ans[k++]=s[i++];
        }
    }
}
```

```
    }

    puts(ans);
}

int main()
{

    char a[100]="HARSHVARDHAN";
    strdel(a, 3, 4, 12);

    return 0;
}
```

HARVARDHAN  
Program ended with exit code: 0

## Question 7

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

```
int main()
{
    char str[100], ch;
    int i, len;
    i = 0;

    printf("\n Please Enter any String : ");
    gets(str);

    printf("\n Please Enter the Character that you want to Remove : ");
    scanf("%c", &ch);

    len = strlen(str);
```

```

while(i < len && str[i] != ch)
{
    i++;
}

while(i < len)
{
    str[i] = str[i + 1];
    i++;
}
printf("\n The Final String after Removing First occurrence of '%c' = %s ",
ch, str);

return 0;
}

```

Line: 46 Col: 37

```

Please Enter any String : warning: this program uses gets(), which is unsafe.
hello world

Please Enter the Character that you want to Remove : l

The Final String after Removing First occurrence of 'l' = helo world Program ended
with exit code: 0

```