

6. Input a character and display the entered character is a vowel or not a vowel (Use switch) -----

Char V;

```
printf("Question 06\n\n");
```

```
printf("Enter a character : ");
```

```
char c = scanf("%c",&V);
```

```
switch(c)
```

```
{
```

```
case 'a' : printf("Vowel"); break ;
```

```
case 'e' : printf("Vowel"); break;
```

```
case 'i' : printf("Vowel"); break;
```

```
case 'o' : printf("Vowel"); break;
```

```
case 'u' : printf("Vowel"); break;
```

```
case 'A' : printf("Vowel"); break ;
```

```
case 'E' : printf("Vowel"); break;
```

```
case 'I' : printf("Vowel"); break;
```

```
case 'O' : printf("Vowel"); break;
```

```
case 'U' : printf("Vowel"); break;
```

```
default : printf("Not a vowel"); break;
```

```
}
```

Question 07

Input a number and display entered number is an odd or even (Use switch)

```
printf("Entered number odd or even?\n\n");
```

```
printf("Enter a number");
```

```
int x;
```

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

```

//if(x%2==0) printf("%d is Even",x);
//else printf("%d is Odd",x);

int y = x%2;
switch(y)
{
    case 0 : printf("%d is Even",x); break;
    case 1 : printf("%d is Odd",x); break;
}

```

Question 08

Print the number series 10 20 301000 using while, do while and for loops (3 different programs)

```

int x=10;
printf("----- do while loop -----\\n");
//do while loop
do
{
    printf("%d \\n",x);
    x+=10;
}
while (x<=1000);

printf("\\n\\n----- while loop -----\\n");

// while loop
x=10;
while(x<=1000)
{

```

```

printf("%d \n",x);
    x+=10;
}

printf("\n\n----- for loop ----- \n");

for(int y=10;y<=1000;y+=10)
{
    printf("%d\n",y);

}

```

Question 09

Input salaries of 20 employees and display the number employees whose salary is above 5000 (Use while and if)

```

int salary[20];
    int ecount=0;
    for(int x=0;x<20;x++)
    {
        printf("Enter the salary of employee %d : ",x+1);
        scanf("%d",&salary[x]);
    }
    for(int y=0;y<20;y++)
    {
        if(salary[y]>5000)
        {
            ecount++;
        }
    }
    printf("Number of Employee with salary above 5000 is : %d",ecount);

```

