**Assignment – 4**

**Iterative Control Statements**

1. **Write a program to print MySirG 5 times on the screen**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 1; i <=10; i++)

   {

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**MySirG**

**MySirG**

**MySirG**

**MySirG**

**MySirG**

1. **Write a program to print the first 10 natural numbers.**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 1; i <=10; i++)

   {

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**1**

**2**

**3**

**4**

**5**

**6**

**7**

**8**

**9**

**10**

1. **Write a program to print the first 10 natural numbers in reverse order**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 10; i >=1; i--)

   {

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**10**

**9**

**8**

**7**

**6**

**5**

**4**

**3**

**2**

**1**

1. **Write a program to print the first 10 odd natural numbers**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 1; i <=20; i++)

   {

    if(i%2!=0)

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**1**

**3**

**5**

**7**

**9**

**11**

**13**

**15**

**17**

**19**

1. **Write a program to print the first 10 odd natural numbers in reverse order.**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 20; i >=1; i--)

   {

    if(i%2!=0)

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**19**

**17**

**15**

**13**

**11**

**9**

**7**

**5**

**3**

**1**

1. **Write a program to print the first 10 even natural numbers**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 1; i <=20; i++)

   {

    if(i%2==0)

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**2**

**4**

**6**

**8**

**10**

**12**

**14**

**16**

**18**

**20**

1. **Write a program to print the first 10 even natural numbers in reverse order**

**Code**

#include<stdio.h>

int main() {

    int i;

   for ( i = 20; i >=1; i--)

   {

    if(i%2==0)

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**20**

**18**

**16**

**14**

**12**

**10**

**8**

**6**

**4**

**2**

1. **Write a program to print squares of the first 10 natural numbers**

**Code**

#include<stdio.h>

int main() {

    int i,n;

   for ( i = 1; i <=10; i++)

   {

    n=i\*i;

    printf("%d\n",n);

   }

   return 0;

}

**Output**

**1**

**4**

**9**

**16**

**25**

**36**

**49**

**64**

**81**

**100**

1. **Write a program to print cubes of the first 10 natural numbers**

**Code**

#include<stdio.h>

int main() {

    int i,n;

   for ( i = 1; i <=10; i++)

   {

    n=i\*i\*i;

    printf("%d\n",n);

   }

   return 0;

}

**Output**

**1**

**8**

**27**

**64**

**125**

**216**

**343**

**512**

**729**

**1000**

1. **Write a program to print a table of 5**

**Code**

#include<stdio.h>

int main() {

    int i,n;

   for ( i = 1; i <=10; i++)

   {

    n=5\*i;

    printf("%d\n",n);

   }

   return 0;

}

**Output**

**5**

**10**

**15**

**20**

**25**

**30**

**35**

**40**

**45**

**50**